

S. 160, B. 2.

TWENTY-SIXTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY,
OF THE
BOROUGH OF LIVERPOOL.



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PRINTED BY HENRY GREENWOOD, 32, CASTLE STREET.

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COMMITTEE AND OFFICERS

FOR THE YEARS 1878-79.

Committee.

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Curator of the Walker Art Gallery.

CHARLES DYALL.

REPORT.

NOTHING of sufficient importance to demand special notice has occurred during the year. Every department of the institution continues in a state of active efficiency.

The completion of the New Reading Room has been delayed from an alteration in the construction of the floor, required in consequence of the proposed lecture room in the basement story. The work is now proceeding in a satisfactory manner. It has been determined to surround the room with galleries and bookcases, contracts for which have been entered into. It is expected that within a short time the room will be opened to the public. The removal of a large portion of the books to the new room will set at liberty several rooms now occupied in connection with the Library. The appropriation of these will have the careful consideration of the Committee. Arrangements are proposed by which separate accommodation will be provided for the readers of periodicals and light literature, leaving the New Reading Room for scientific and general subjects.

Reference Library.

TABLE I.—Showing the total issue of volumes of books :—

Classification.	Volumes Issued.	Daily Average.
Theology, Morals, &c.	18,458	66
Natural Philosophy, Astronomy, &c.	12,109	43
Natural History.....	5,982	22
Science and the Arts.....	24,527	86
History and Biography	28,303	102
Topography and Antiquities	6,393	23
Voyages and Travels	16,513	59
Miscellaneous Literature (principally Collected Works, Magazines, &c.)	92,724	330
Jurisprudence, Law, and Politics	3,298	12
Commerce, Political Economy, and Statistics.....	2,855	13
Education and Language.....	6,036	23
Poetry and Dramatic Literature	18,228	65
Prose Fiction	190,198	678
Latin and Greek Classics, and Translations	4,672	16
Heraldry, Encyclopædias, and Works of Reference	7,450	26
Total.....	437,746	1564

TABLE II.—Showing the issue of Quarterly and Monthly Magazines exclusively :—

Classification.	Magazines Issued.	Daily Average.
Theology, Morals, &c.....	2,934	10
Natural Philosophy, &c.	762	3
Natural History.....	394	1
Science and the Arts	3,425	12
Topography and Antiquities	238	1
Voyages and Travels	252	1
Miscellaneous Literature.....	42,625	152
Commerce, Political Economy, and Statistics	708	3
Education and Language.....	286	1
Total.....	51,654	184

TABLE III.—Showing the issue of Weekly Periodicals, &c., exclusively :—

Classification.	Periodicals Issued.	Daily Average.
Natural Philosophy	3,245	11
Natural History.....	3,814	13
Science and the Arts	14,168	51
Miscellaneous Literature (principally Illustrated and Literary Periodicals).....	193,136	688
Law and Politics	729	3
Commerce and Political Economy	703	3
Directories and Dictionaries	13,463	48
Total.....	229,258	817

Total Patents for Inventions consulted, 11,152. Daily Average, 40.

RECAPITULATION OF TOTALS.

Volumes of Books	437,476
Quarterly and Monthly Magazines.....	51,654
Weekly Periodicals, &c.	229,258
Patents consulted	11,152
Total... ..	729,540

Besides the constant and unrestricted use by Students of some eighty volumes of Dictionaries and other works wholly of reference, of which no statistics are taken.

TABLE IV.—Showing the issue and classification of books in the Students' Room :—

Classification.	Volumes Issued.	Daily Average.
Theology, Morals, &c	9,359	34
Natural Philosophy, Astronomy, &c.	4,691	16
Natural History	1,656	6
Science and the Arts... ..	6,046	22
History and Biography.....	4,533	16
Topography and Antiquities	1,639	6
Voyages and Travels.....	2,318	8
Miscellaneous Literature	6,524	24
Jurisprudence, Law, and Politics	760	3
Commerce, Political Economy, and Statistics ..	557	2
Education and Language.....	2,582	8
Poetry and Dramatic Literature	2,005	7
Latin and Greek Classics, and Translations	2,213	8
Heraldry, Encyclopedias, and Works of Reference	1,762	6
Total	46,645	166

The number of Students now entitled to the use of the Students' Room is 813, against 643 in 1877, 529 in 1876, and 417 in 1875; thus showing a steady and most satisfactory yearly increase. Prose fiction is not issued in this room.

TABLE V.—Showing the number and classification of works added during the year :—

Classification.	Volumes Added.	Total No. in the Library.
Theology, Morals, &c.	207	5,444
Natural Philosophy, Astronomy, &c.	38	1,566
Natural History.....	94	3,761
Science and the Arts	187	8,044
History and Biography	250	9,071
Topography and Antiquities	102	3,252
Voyages and Travels.....	97	3,937
Miscellaneous Literature (principally Collected Works, Magazines, &c.)	358	13,937
Jurisprudence, Law, and Politics	271	5,655
Commerce, Political Economy, and Statistics.....	41	730
Education and Language.....	17	1,099
Poetry and Dramatic Literature	49	2,953
Prose Fiction	38	5,295
Latin and Greek Classics, and Translations	72	557
Heraldry, Encyclopædias, and Works of Reference.....	38	2,095
Total.....	1,859	67,396

The following is the list of Magazines and Periodicals illustrating Tables II. and III. :—

QUARTERLY.

Annales des Sciences Naturelles
 Archæologia Cambrensis
 Archæological Journal
 British and Foreign Evangelical Review
 British Quarterly Review
 Church Quarterly Review
 Dublin Review
 Edinburgh Review
 Ibis
 Journal für Ornithologie
 Journal of Anatomy
 Journal of the British Archæological Association
 Journal of the Royal Agricultural Society
 Journal of the Society of Antiquaries
 Journal of the Statistical Society
 London Quarterly Review
 Mind
 Navy List
 New Quarterly Magazine
 North American Review
 Popular Science Review
 Quarterly Journal of the Geological Society
 Quarterly Journal of Microscopical Science
 Quarterly Journal of Science
 Quarterly Review

Revue Celtique
 Revue et Magasin de Zoologie
 Stray Feathers
 Theological Review
 Traethodydd
 Westminster Review
 Zeitschrift für Deutsche Philologie

MONTHLY.

All the Year Round
 Annals and Magazine of Natural History
 Argosy
 Army List
 Art Journal
 Atlantic Monthly
 Band of Hope Review
 Banker's Magazine
 Belgravia
 Bibliothèque Universelle
 Blackwood's Magazine
 Cassell's Magazine
 Chambers's Journal
 Congregationalist
 Contemporary Review
 Continental Railway Guide
 Cope's Tobacco Plant
 Cornhill Magazine
 Daheim
 Day of Rest

MONTHLY—(Continued.)

Dietetic Reformer
 Educational Guide
 Educational Times
 Englishwoman's Review
 Financial Reformer
 Fireside
 Florist and Pomologist
 Fortnightly Review
 Fraser's Magazine
 Gazette des Beaux Arts
 Gartenlaube
 Gentleman's Magazine
 Geographical Magazine
 Geological Magazine
 Good Words
 Homœopathic World
 Journal of the Chemical Society
 Journal of Horticulture
 Leisure Hour
 Library Journal
 London Society
 Macmillan's Magazine
 Magazine of Art
 Month
 Monthly Microscopical Journal
 Musical Times
 Nautical Magazine
 Next of Kin Gazette
 Nineteenth Century
 Once a Week
 Orchestra
 Phonographic Reporter
 Portfolio
 Quiver
 Railway Guide
 Revue Archéologique
 Revue Britannique
 Revue Chrétienne
 Science Gossip
 Scribner's Monthly
 Shorthand Magazine
 St. James's Magazine
 Sunday at Home
 Sunday Magazine
 Sunday Review
 Temple Bar
 Tinsley's Magazine
 Truthseeker
 United Service Journal
 University Magazine
 Yachting Magazine
 Zoologist

FORTNIGHTLY

Gazette des Architectes
 Revue des Deux Mondes
 Unsere Zeit

WEEKLY.

Academy
 Anglo-American Times
 Athenæum
 Architect
 British Architect
 Broad Arrow
 Builder
 Builders' Weekly Reporter
 Building News
 Cambridge University Reporter
 Capital and Labour
 Carpenter and Builder
 Chemical News
 Civilian
 Colonies
 Comptes Rendus
 Economist
 Engineer
 Engineering
 English Mechanic
 Era
 Estates Gazette
 Examiner
 Field
 Fun
 Gardeners' Chronicle
 Good Templars' Watchword
 Graphic
 Home Chronicler
 Illustrated London News
 Iron
 Jewish Chronicle
 Journal of Gaslighting, &c.
 Journal of the Society of Arts
 Judy
 Keystone
 Lancet
 Land and Water
 Law Times
 London Gazette
 Mayfair
 Mining Journal
 Nature
 Naval and Military Gazette
 Notes and Queries
 Oxford University Reporter
 Pharmaceutical Journal
 Pictorial World
 Porcupine
 Public Opinion
 Punch
 Railway Journal
 Saturday Review
 Scientific American
 Spectator
 Sydney Mail
 Universal Engineer
 Volunteer Service Gazette
 Vanity Fair
 Weekly Notes
 Woman's Suffrage Journal
 World

DONORS AND DONATIONS.

The following donations have been received during the year:—

- ANONYMOUS DONATIONS:—Cattle Traffic, by G. T. Turner (Pamphlet); Une Gravure de 1839 (Pamphlet); May Young England Smoke? (Pamphlet); Observations, &c., on "Paths of Honour and of Shame" (Pamphlet); Financial Statement of the Colonial Treasurer of New South Wales, 1878 (Pamphlet).
- ARKLE, GEORGE:—Sammlung Architectonischer Entwürfe, von L. von Klänge.
- ASPDEN, THOMAS (the Author):—Historical Sketches of the House of Stanley.
- BARKER, W.:—The Liverpool Courier, 1812-16 (2 vols.).
- BIRKENHEAD LITERARY SOCIETY:—The Newspaper Press in England, by R. Bryson; Report, 1877-78 (Pamphlets).
- BOULT, JOSEPH (the Author):—Submarine Forests on the Shores of Liverpool Bay; On the Former Topography of Liverpool, Parts 1 and 2 (Pamphlets).
- BRIGHT, HENRY A., M.A.:—Poems from Sir Kenelm Digby's Papers; Unpublished Diary of Mme. Roland (Pamphlet).
- BRITISH ASSOCIATION:—Report of the 46th Meeting, Glasgow, 1876.
- BRITISH MUSEUM TRUSTEES:—Catalogue of Chiroptera, by G. E. Dobson.
- CEYLON, THE LIEUT. GOV. OF:—Addresses Delivered in the Legislative Council, 1833-77 (2 vols.).
- CIVIL ENGINEERS, THE INSTITUTION OF:—Proceedings, Vols. 49-52 (4 vols.).
- CLARE, JOHN:—Navy Estimates (Pamphlet).
- CLARK, HENRY (the Author):—Mediæval Art (Pamphlet).
- COPENHAGEN ROYAL LIBRARY (per C. Bruun):—Codices Orientales Bibliothecæ Regiæ Havniensis, 3 parts; Aarsberetninger og Meddelelser fra det Store Kongelige Bibliothek (2 vols.).
- COUBROUGH, ANDREW:—Crawfurd's Indian Archipelago (3 vols.).
- DAVIS, —:—Warleigh's Discussions on Evil Persons and Things.
- DAVIS, J. C. BANCROFT:—Mr. Sumner, the Alabama Claims, &c. (Pamphlet).
- DE RANCE, CHARLES E. (the Author):—The Secondary Rocks of England, &c. (Pamphlet).
- EDE, REV. W. M. (the Author):—Lectures on the Mind (Pamphlet).
- EWART, MISS:—Between Whiles, edited by B. Kennedy.
- FAIRCHILD, GEN. L. (U.S. Consul):—Centennial History of Fall River, Mass., by H. H. Earl; Geology of Wisconsin, Vol. II., with Atlas (2 vols.).
- GATTY, CHARLES T. (the Author):—The Mayer Collection as an Educational Possession; On Some Ancient Glass in the Mayer Collection (Pamphlets).
- GRAY'S INN, THE HON. SOCIETY OF:—Supplement to Library Catalogue.
- GUTHRIE, MALCOLM (the Author):—Causal and Free Will Theories of Volition (Pamphlet).
- HAMILTON, JOSEPH (the Author):—The Starry Hosts; Animal Futurity.
- HANDYSIDE, P. D. (the Author):—Shall I Study Medicine? (Pamphlet).
- HARVARD COLLEGE, U.S. (per A. Agassiz):—Report on the Hydroids, by G. Allman; Report on the Fossil Plants of the Sierra Nevada, by L. Lesquereux.
- HERFORD, EDWARD (the Author):—Alleged Defects in the Office of Coroner; Facts and Fictions of the Currency (Pamphlets).
- HIGGINS, REV. H. H., M.A.:—Estudios sobros las Deformaciones Enfermedades, &c., by A. Ernst (Pamphlet).
- HISTORIC SOCIETY OF LANCASHIRE AND CHESHIRE:—Transactions, Vol. XXIX.
- HOLMSWORTH, C. B.:—Good and Evil Made One (Pamphlet).
- HOWELL, EDWARD (the Publisher):—Notes of a Field Naturalist in the Western Tropics, by Rev. H. H. Higgins.
- HUARD, ADOLPHE (the Author)—per J. Missol:—Les Grands Bienfaiteurs de l'Humanité.
- Library Reports from the following Libraries:—Birkenhead, Birmingham, Blackburn, Bolton, Boston, U. S. A., Chicago, U. S. A., Derby, Dundee, Germantown Friends, U. S. A., Indianapolis, U. S. A., Leeds, Leicester, London Institution, Manchester, Melbourne, New York Apprentice's, U. S. A., New York Mercantile Library Association, U. S. A., Nottingham, Philadelphia Mercantile Library Association, U. S. A., Plymouth, Rochdale, Salford, Sheffield, South Shields, Southport, Swansea, Sydney, Walsall, Wednesbury, West Bromwich, Westminster, Willenhall, and Wolverhampton.
- LIVERPOOL ART CLUB:—Catalogue of Loan Collection of Fans; Catalogue of Loan Collection of Wood-Engravings (Pamphlets).
- LIVERPOOL COLLEGE:—Sundry Reports of the Annual Prize Deliveries (Pamphlets).
- LIVERPOOL GEOLOGICAL SOCIETY:—Proceedings, 1859-76 (2 vols.).
- LIVERPOOL INSTITUTE:—Sundry Reports of Annual Prize Deliveries.
- LIVERPOOL LYCEUM LIBRARY:—London Gazette, with Indexes, 1802-76 (275 vols.).
- LIVERPOOL LITERARY AND PHILOSOPHICAL SOCIETY:—Proceedings, 1876-77.
- LIVERPOOL NATURALISTS' FIELD CLUB:—Proceedings, 1877-78 (Pamphlet).
- LIVERPOOL SCHOOL BOARD:—Proceedings, 1876-77.
- LIVERPOOL SHIPWRECK AND HUMANE SOCIETY:—38th Annual Report (Pamphlet).
- LIVERPOOL YOUNG MEN'S CHRISTIAN ASSOCIATION:—Annual Report, 1877 (Pamphlet).
- LLEWELYN, THOMAS, M.D. (the Author):—Essays on Ear and Throat Diseases.

DONORS AND DONATIONS—(Continued.)

- LLOYD, LEONARD, Esq. (The Editor):—*Poets' Magazine*, Vol. 1.
 LONDON, THE SOCIETY OF ANTIQUARIES OF:—*Proceedings*, Vol. 7.
 LONGMANS & Co. (the Publishers):—*London Science Class Books* (6 vols.).
 MACKINTOSH, D. (the Author):—*Origin of Boulder Clay*, &c. (Pamphlet).
 MANCHESTER STATISTICAL SOCIETY:—*Transactions*, 1876-77.
 MANDER, SAMUEL S. (the Author):—*Our Opium Trade with China* (Pamphlet).
 MARPLES, JOSIAH (the Author):—*Amy Robsart* (Pamphlet).
 MARRAT, F. P.:—*Introduction to Mechanics*, by W. Marrat; *Elements of Mechanical Philosophy*, by W. Marrat; *Synopsis Methodica Stirpium Britannicarum*, by John Ray.
 MAYER, JOSEPH:—*A Free Village Library*, *Bebington* (Pamphlet).
 MECHANICAL ENGINEERS, INSTITUTION OF:—*Proceedings*, 1877-78.
 MINNESOTA, U.S.A., THE UNIVERSITY OF (per N. H. Winchell):—*Reports on the Geology and Natural History of Minnesota*.
 MONTEFIORE, SIR MOSES, BART.:—*An Open Letter addressed to Sir Moses Montefiore, Bart., &c.*, by the Rev. M. Auerbach.
 NATIONAL SOCIETY FOR WOMEN'S SUFFRAGE:—*Sundry Pamphlets on the Women's Suffrage Question*.
 NEW SOUTH WALES GOVERNMENT:—*Annual Report, Department of Mines*, 1876.
 NEW YORK, A CITIZEN OF:—*Metaphysics*, by John Miller.
 NEW YORK FREE TRADE CLUB:—*The Tariff Question*, by Horace White (Pamphlet).
 NEW YORK STATE MUSEUM, per James Hall:—*Palæontology*, by James Hall, Vol. IV., part 1.
 OGDEN, W. S. (the Author):—*Studies in Mercantile Architecture*; *Christian Gravestones*.
 PALMER, FRANCIS I. (the Author):—*Floods in the Thames Valley*, &c.
 PARIS, THE MUNICIPALITY OF:—*Bulletin de Statistique Municipale*, 1876-77; *Compte Générale des Recettes et Dépenses*; *Budget de l'Exercice*, 1877; *Procès-Verbaux*, 1876; *Rapports et Documents*, 1876; *Notes sur l'Administration des Services et Établissements Municipaux*, &c.; *Assainissement de la Seine*, *Epuration et Utilisation des Eaux d'Égout*; *Notes de l'Inspecteur Général des Ponts et Chaussées*, &c.
 PATON, ALLEN P. (the Author):—*The Tragedy of Macbeth* (Pamphlet).
 PENDLEBURY, R.:—*Lehrbuch der Determinanten-Theorie für Studierende*, von Dr. S. Günther.
 PHILADELPHIA ACADEMY OF NATURAL SCIENCES, U.S.A.:—*Proceedings*, 1877.
 POTOCKI, ALBERT (the Author):—*Nosce te ipsum*.
 QUARITCH, BERNARD (the Compiler):—*Supplement to General Catalogue of Books*, 1875-77.
 ROBINSON, W., Mayor of Burnley (the Translator):—*German Views on the Eastern Question* (Pamphlet).
 ROUGHTON, WALTER:—*Anuario des Correos y Telegrafos de la República Argentina*.
 ROYAL ASTRONOMICAL SOCIETY:—*Memoirs*, Vol. 43, 1875-77; *Monthly Notices*, 1878.
 ROYAL COLONIAL INSTITUTE:—*Proceedings*, Vol. 9.
 SCOTLAND, THE SOCIETY OF ANTIQUARIES OF:—*Proceedings*, Vol. 12.
 SCRATCHLEY, ARTHUR, M.A. (the Author):—*The Principles of Sound Friendly Societies*.
 SMITHSONIAN INSTITUTION, U.S.A.:—*Report*, 1876.
 SOCIAL SCIENCE ASSOCIATION:—*Transactions*, 1877.
 THOMPSON, W. P. (the Author):—*American Yarns and Fables*; *Patent Law in Plain English* (Pamphlet).
 TONER, J. M., M.D. (the Author):—*Address before the Rocky Mountain Medical Association*.
 TRYON, G. W. (the Author):—*A Monograph of the Terrestrial Mollusca of the United States*.
 TURNER, E. L. (the Author):—*A Message to the Churches*.
 UNITED STATES GOVERNMENT:—*Annual Report of the Comptroller of the Currency*; *Congressional Directory*, by B. P. Poore.
 VACHER, FRANCIS, M.D. (the Author):—*Report on the Sanitary Condition of Birkenhead*; *A Villa Hospital* (Pamphlets).
 VICTORIA, THE AGENT-GENERAL OF:—*Homes and Homesteads*, by Rev. J. Ballantyne; *Victorian Year-Book for 1875 and 1876-77*, 2 vols.; *Notes on the Colony of Victoria*, by H. H. Hayter.
 WALES, H.R.H., THE PRINCE OF (Presented by desire of):—*Catalogue of the British Section, Paris International Exhibition* (2 vols.).
 WALES, THE UNIVERSITY COLLEGE OF:—*Calendar*, 1877-78.
 WARD, REAR-ADMIRAL (the Author):—*Poems and Thoughts in Verse*.
 WAUGH, J. W.:—*Mission Hymns*.
 WILMSHURST, —. (the Compiler):—*Bibliotheca Ecclesie Cicestensis Librorum Catalogus*.
 WILSON, HENRY (the Author):—*Five Important and Interesting Discoveries* (Pamphlet).
 WISCONSIN, THE LEGISLATURE OF (per T. C. Chamberlin):—*Geology of Wisconsin*, Vol. II.
 YOUNG, FREDERICK (the Author):—*Imperial Federation of Great Britain and her Colonies*.
 ZOOLOGICAL SOCIETY OF LONDON:—*Proceedings*, 1877-78; *Transactions*, 1877-78.

Lending Libraries.

The following are the returns for the year :—

	This Year.			Last Year.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Volumes lent	224,705	216,519	441,224	200,720	227,800	428,520
New Tickets issued	2,619	2,414	5,033	2,461	2,613	5,074
Tickets renewed	2,286	2,416	4,702	2,194	2,294	4,491
Tickets cancelled	2,389	2,468	4,827	2,055	1,978	4,033
Total readers on the books	4,878	4,855	9,733	4,628	4,899	9,527
Books lost or injured, and paid for	57	55	112	32	46	78
Books lost	9	6	15	6	7	13
Volumes worn out—replaced	450	657	1,107	597	722	1,319
Volumes worn out—withdrawn	228	210	438	254	160	414
New volumes added	318	321	639	437	423	860
Total No. of vols. in the Libraries	21,048	21,553	42,601	21,040	21,441	42,481

Classification of Volumes Lent and Added, 1878 :—

	Volumes Lent.			Volumes Added.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Theology, Moral Philosophy, &c.	4,927	4,267	9,194	19	17	36
Nat. Philosophy and Mathematics	3,658	2,950	6,608	12	13	25
Natural History	2,301	2,179	4,480	4	2	6
Science and the Arts	8,385	7,264	15,649	11	11	22
History and Biography	11,738	10,492	22,230	49	51	100
Topography and Antiquities	1,384	1,228	2,612	..	..	..
Voyages and Travels	5,887	5,548	11,435	35	34	69
Miscellaneous Literature	14,248	15,261	29,509	94	99	193
Jurisprudence, Politics, &c.	362	278	640	1	1	2
Commerce and Political Economy	681	538	1,219	1	1	2
Education, Languages, Logic, &c.	2,521	2,036	4,557	2	2	4
Poetry and the Drama	1,939	2,262	4,201	6	6	12
Prose Fiction	166,103	161,710	327,813	84	84	168
Latin and Greek Classics	421	357	778	..	..	..
Books for the Blind	150	149	299	..	..	..
TOTAL	224,705	216,519	441,224	318	321	639

Museum.

STATISTICS.

The visitors to the Museum during the year have been as follows :—

	1877-8.	1876-7.	Decrease.
Total Day Visitors	413,923	435,012	21,089
Weekly Average	8,075	8,365	290
Daily Average	1,943	2,051	108

The depression of trade throughout the manufacturing districts has continued to affect unfavourably the number of visitors,

The 18th of October, 1878, was the 17th anniversary of the opening of the Museum in the present building. The total number of visitors during that time amounted to 7,575,811, giving a yearly average of 445,635.

DONATIONS.

Two specimens of "Sussex Marble," from the Wealden at Billingshurst, Sussex, showing numerous examples of *Paludina* shells; presented by Mr. Frank Archer.

A Poisonous Caterpillar, found feeding on the Breadnut Tree, Honduras; presented by Surgeon-Major S. Archer.

A specimen of *Rossia*, from the Wellington Dock; presented by Mr. C. J. Arkle and Mr. Nevins.

A Shark from Galveston; presented by Mr. James Barton.

A recently-described species of Beetle (*Eupholus Bennettii*, Gestro), from Yule Island, New Guinea; presented by Dr. Geo. Bennett, F.L.S.

A specimen of the Monk Seal (*Monachus albiventer*), from the Desertas Islands, Madeira; specially obtained for the Museum and presented by Messrs. Blandy Bros. and Co.

Twenty-three Birds from the interior of South Africa, chiefly from the Amaswazi and Bamaungwato Countries; collected and presented by Mr. R. M. Brooke.

Skins of a Monkey (*Semnopithecus*), from Singapore, and of two Birds (*Centropus superciliosus* and *Toxus melanoleucus*), from the district of Zanzibar, and a Coralline (*Antipathes*), from Sumatra; collected and presented by Mr. E. C. Buxton.

Two Badgers (*Meles taxus*); presented by Lady Margaret Cecil, per Mr. G. C. Hale.

Three living Gold Fish, of abnormal growth, from Shanghai; presented by Mr. John Cheshire.

A collection of Sponges from Western Australia; collected by Miss Bunbury, of Picton, Bunbury, Western Australia; presented by Mr. Arthur C. Cole.

A Whip Snake and Tarantula from Benin: presented by Captain E. Davies.

A Lepidopterous Larva from New York ; presented by Mr. Douglas E. M. Elder.

Three Indian Skulls from Peru and a Culminated Albatross ; presented by Mr. T. W. Ellwood.

Four specimens of Fish (*Eutropius*), and one Electric Fish (*Malapterurus*), from Old Calabar : presented by Mr. Walter Evans.

Specimens of Amber containing Insects, from Dantzic ; presented by Mr. F. Faltin.

Thirteen Bottles of Reptiles ; presented by Mr. R. A. Gaskell.

Two Groups of small Barnacles (*Balanus*), from the Ship *Norseman*, after lying two months in the port of Salaverry, Peru ; presented by Mr. Thomas Higgin, F.L.S.

A collection of Skeletons, Skulls, Osteological, Anatomical, and Geological specimens and Casts ; also numerous preparations of the Heart and other Organs in illustration of contrivance and design ; prepared and presented by Mr. Alfred Higginson.

The Skull of a Dolphin, three Teeth of a Cachalot Whale, Rostrum of Saw Fish (*Pristis*), Section of Shell (*Melo*), and a Cane Head-rest or Pillow ; presented by Mr. Philip H. Hope.

A complete collection of Samples of Cotton of every known growth, made up according to Liverpool classification, and named and arranged in case ; presented by Messrs. Hornby, Hemelryk and Co.

A Gillaroo Trout and three *Salmo nigripennis*, from Lough Melvin ; presented by the Rev. William Houghton, F.L.S.

Two large Turtle (*Chelonia mydas*) ; presented by Mr. George Hulse.

A large Siluroid Fish (*Platystoma orbignianum*) from the River Plate ; presented by Mr. Donald Hutchison.

A Frog Fish (*Cheironectes*) and the Beak of a Cuttle Fish, from Amoy ; presented by Captain Jackson, S.S. *Glaucus*

The Skull of a Cinnamon Bear from Wyoming, two Skulls of Black Bears from Colorado, Skin and Skull of Hairy Porcupine, and the Skin and Skull of Badger from Wyoming, two Skins of Squirrels and flat Skin and two pair of Horns of Goat Antelopes (*Nemorhedus crispus*) from Japan, the Skull of a young Sea Otter and forty-seven Skins of

Mammalia from California, ten Skins of Birds from Hawai, Sandwich Islands, and a Pheasant-tailed Grouse (*Tetrao urophasianus*); collected and presented by Mr. H. Heywood Jones.

The Skin of an adult male Kiang, or Thibetan Wild Ass; shot and presented by Mr. O. Heywood Jones.

A Chameleon from Sherboro River, West Africa; presented by Captain Justice.

A rare Crustacean (*Calappa fornicata*), from Cebu; presented by Mr. R. J. Keen.

A Hooded Merganser and a Red-winged Starling (variety); presented by Mr. William Langley.

The skull of an American Bison, and a Cetacean Vertebra from the new North Dock Works; presented by Mr. Joseph Leyland.

The skin and skull of male and female specimens of *Oris Ammon* or gigantic sheep of the Himalayas, and of the Shapoo, an allied species; also of the male Burhel and the Black Buck; the skin of a Snow Bear, and skeletons of young and adult of the same, and limb bones of the Black Bear; skins of two rare Monkeys, a Flying Squirrel, a Marmot, Lagomys, &c.; two Lammergeyers, or Bearded Vultures, and nineteen other bird skins; from Kashmir, Ladakh, Baltistan, and Lower India; presented by Mr. St. George Littledale, and specially collected by him for the Museum.

A collection of Horns and Bones from the excavations for the new North Docks, received from Mr. George Fosbery Lyster, Dock Engineer, on behalf of the Mersey Docks and Harbour Board.

A polished section of Fossil Palm, showing structure, from the Lias; presented by Mr. F. P. Marrat.

A Ray's Wagtail; presented by Mr. Joseph Mayer, F.S.A.

A stuffed specimen of a female Ibex, from the Museum of Natural History, Geneva; specially obtained and presented by Mr. Charles P. Melly.

Eight Fish, two Birds, a Bat, three Sponges, two living Cat Fish, two Water Newts, and specimens of Anemones, from New York; presented by Captain J. H. Mortimer ship, "Hamilton Fish," Associate of the Literary and Philosophical Society of Liverpool.

A specimen of Limestone with Oolitic structure, from the Carboniferous Limestone, Avon section, Clifton, Bristol; presented by Mr. G. H. Morton, F.G.S.

The Head of a Bison, from California; presented by Messrs. Nicholson and McGill.

A living specimen of *Amphiuma*, or "Congo Snake" (*Amphiuma means*), from New Orleans; presented by Captain J. A. Perry, Associate of the Literary and Philosophical Society of Liverpool.

Eight young living specimens of the Common Snake; presented by the Postmaster of Liverpool.

A living Lizard, found in Esparto grass from Egypt; presented by Mr. Charles Potter.

Specimens of Crustacea, Gorgonia, and Polyzoa, chiefly from Sorrento, Mediterranean, and two specimens of *Helix pomatia*, from Cheltenham; presented by Mrs. A. Powell.

A specimen of the Giant Clam Shell, *Tridacna gigas*, from the Indian Ocean; presented by Captain Raymond.

A collection of Skulls and Bones from the Submarine Peat and Forest Beds, Mouth of the Alt; presented by Mr. T. Mellard Reade, C.E.

A Bottle of Snakes, collected by Professor Jameson, probably from Quito; presented by Mr. T. A. Readwin.

A specimen of a new Passerine Bird, *Setophaga bairdi*, Salvin, from Quito; presented by Mr. Osbert Salvin, F.R.S.

A Bald Crow, *Gymnocephalus calvus*, and a Tanagrine Grosbeak, *Pitylus erythromelus*, from Demerara; presented by Mr. G. R. Sandbach.

Specimens of the Coral formation of the Island of Barbadoes; presented by Messrs. Sandbach, Tinne and Co.

Three Fossil Shells and specimens of Chalcedony from Montana; presented by Mr. A. Schirmacher.

The Model of a Cingalese Surf Boat, specimens of the Hooded Snake, *Cobra da Capello*; of Fish (*Diodon*, *Tetraodon*, *Uranoscopus*); the Rostrums of three Saw Fish; Shells, Insects, and Sponges; from the Red Sea, Birmah, and Ceylon; specimens of Shells from Malta, Gozo, and the Red Sea; specimens of living Fresh water Fish from Point de

Galle and Colombo River, and Gold Fish from Barbary; collected and presented by Captain C. A. Sibthorpe, S.S. "European," Associate of the Literary and Philosophical Society of Liverpool.

Specimens of Sea Anemones and *Blennies* from Tenby; presented by Mr. E. J. Sing.

A Slab of *Anthracosia robusta* from the Coal Measures, presented by the Rev. R. Sinker.

A large Mud Turtle, *Trionyx niloticus*; presented by the Southport Aquarium Company.

Two polished Shells of *Nautilus*; presented by Mrs. Charles Speakman.

A specimen of the rare Marine Lizard, *Amblyrhynchus cristatus*, from the Galapagos Islands; presented by Captain Thomas Strick, barque "Arica."

A specimen of the Oblong Sun Fish, *Orthogoriscus truncatus*, taken with a hook and line in latitude 18° N., longitude 45° W., in September, 1877; presented by Captain Sutherland, ship "Importer."

Six selected samples and specimens of Rock Salt; presented by Messrs. John Thompson and Son.

A Seed Pod of the *Bombax*, or Silk Cotton Tree of India; presented by Dr. Murray Thomson, per Surgeon-Major S. Archer.

Egg of Ray Fish, or Skate, showing young enclosed, and specimens of *Pholas*; presented by Mr. P. S. Tomlinson.

A living Electric Fish, *Malapterurus*, from Old Calabar; presented by Mr. Toner.

A young Apteryx in the Egg, a Kokako, or Native Crow, *Glaucopsis*, and a Lizard; specially collected and presented by Colonel Trimble, of New Plymouth, New Zealand.

A collection of Specimens, chiefly Marine, collected on the voyage to and from Calcutta; presented by Captain Cawne Warren, ship "Bedfordshire," Associate of the Literary and Philosophical Society of Liverpool.

A specimen of Jasper Iron from Merionethshire; presented by Mr. E. Wheldon, per Mr. F. P. Marrat.

A young Alligator from New Orleans; presented by Mr. John H. Wilson.

A collection of Land Shells, recent and fossil, from the Madeira and Canary Islands; named and presented by Mr. T. Vernon Wollaston, executor of the Rev. R. T. Lowe, by whom they were collected during many years' residence at Madeira.

A model to scale of the full-rigged ship "Evelyn," 1,179 tons register, built of iron, with steel masts and yards, in Liverpool, 1863; presented with plate glass case and stand, by Miss Evelyn Wrigley.

PURCHASES.

The principal purchases for the Museum have been the following:—

A Two-humped Camel; an Eared Seal; a Virginian Opossum and young; and twenty-six other Mammalia.

A specimen of Bulwer's Fireback Pheasant (*Lobiophasis Bulweri*) from Borneo; two young Ostriches; a young Cassowary; and twenty-one other Birds.

A Matta-Matta Tortoise; a Temminck's Snapper; and three other Reptiles and ten Fish.

The skeleton of a Flying Lemur (*Galeopithecus*); two polished sections of Elephant Teeth; and twenty Skulls of Mammals, Birds, and Fish.

A *Magilus* Shell *in situ*, showing section, &c., and forty-nine specimens of Shells.

Two large Beetles, *Dynastes Neptuneus*, and fifty-seven other Insects.

Two fine specimens of Red Coral and one of White Coral, from Japan; and eighteen Corals, Corallines, and Sponges.

Five Starfish, three Echini, and a Comatula.

A small Cast of *Labyrinthodon* and twenty-seven Fossils.

A specimen of Moss Gold from Oregon.

EXCHANGES.

The following specimens have been received in Exchange:—

A case of live Spawn of the Californian Salmon (*Oncorhynchus quinnat*) from Prof. Baird, United States Commission of Fish and Fisheries, Washington, per Mr. F. Mather.

Two living specimens of *Menopoma*, or "Hell Bender" (*Menopoma Alleghaniensis*) from the Alleghany River, from Mr. Eugene Blackford, Fulton Market, New York.

A series of Teeth and other Remains of Pleistocene Mammalia from the Cresswell Caves, Derbyshire, from the Free Library and Museum, Derby, per Mr. Thomas Heath, Curator.

A specimen of Walrus (*Trichechus rosmarus*) from the North Atlantic, from the Dundee Free Library and Museum, per Mr. A. Greig.

Casts of Foot of Swan and Foot of Maribou Stork, from Mr. R. E. Holding.

Two Black Rats from Stockton-on-Tees, from Mr. R. Morton Middleton.

Two specimens of Gold-bearing Quartz from Merionethshire, from Mr. T. A. Readwin.

Six Humming Birds from Peru, from Prof. Rudler.

The perfect skeleton of a fine adult Aurochs or European Bison (*Bison Bonassus*) and 182 specimens of 93 species of European *Micro-Lepidoptera*, from Dr. F. Steindachner, Director of the Imperial Royal Zoological Museum, Vienna.

A Cast Shell of a large specimen of a Sea Cray-Fish (*Palinurus vulgaris*) from the Southport Aquarium Company, per Mr. Long, Curator.

239 specimens of 68 species of Shells, from Prof. G. W. Tryon, Jun.

MAYER COLLECTION.

The second part of the Catalogue of this Collection, that on the Pottery and Porcelain, is in preparation by Mr. Gatty.

The issue of the first part of the Catalogue (on the Egyptian Antiquities) having been nearly exhausted, a second edition is being prepared, with numerous additional woodcuts.

It has been found necessary for the protection and better exhibition of this collection to provide additional cases and substitute others for many which are imperfect. An annual sum has been set aside for this purpose. During the last year a set of new table cases, extending round one half of the upper gallery, has been added for the better exhibition of the Wedgwood Collection.

DONATIONS.

Specimens of Chinese, Japanese, and Mediæval Ivories; four Gold Watches; Gold Ornaments from South America; specimens of Romano-British Pottery; two rare Roman leaden Seals of the Emperor Constantine; two Persian Seals; three Phœnician Seals; a Babylonian Hæmatite Cylinder; two Plaster Casts of a Babylonian Tablet; a Slip Ware Mug, inscribed "Richard, 1680;" a Delft Bowl, probably Liverpool ware of Alderman Shaw, painted with flowers and ship, and lettered *Success to the William and Mary*; a pottery figure of an Old Liverpool Military Volunteer, with the Liver on his cap; a large circular Dish of early Staffordshire Slip Ware, with figures of a Man, Hare, and Dog, and the initials *T.H.*; a Staffordshire Slip Ware Dish, with figure and title of "St. George, 1780;" a collection of small objects in Wedgwood Ware, consisting of Necklaces, Cameos, Intaglios, &c.; two Dessert Knives and one Fork, with blue and white Jasper Wedgwood Ware handles, and five Japanese Nuts in Ivory; presented by Mr. Joseph Mayer, F.S.A.

A fragment of Mediæval Pottery, found at Burley Hill, near Derby; presented by Mr. William Bemrose, Jun.

An ancient Copper Ingot and other small Egyptian Antiquities; collected and presented by the Rev. G. J. Chester.

A small Musical Instrument, 18 inches in length, composed of 17 cane pipes and wind box, lacquered and mounted in silver, from the Port of Hiogo, Japan; presented by Mr. O. Heywood Jones.

An inscribed Turkish Tombstone of Hajji Othman Agha, dated Zul Haggah, A.H., 1147 (corresponding to May, A.D. 1734); presented by the Rev. R. J. Livingstone, M.A.

An Oriental Plate, with the name of *Coombe of Bristol*, on the back; presented by Miss Lovell.

A large two-handled Tyg and Cover of early Liverpool Slip Ware, lettered *A.W.*, and covered with Birds and Devices, and a carved wooden Ladle; presented by Mr. John Melson.

A fragment of Slip Ware found in King Edward Street, Oxford; presented by Mr. John Henry Parker, C.B.

A large piece of Egyptian Mummy Cloth found in a Tomb at Abydos, in 1856, a *Scarabæus* Beetle found at Denderah, and a fragment of

Wood inlaid with Hieroglyphics in ivory or composition, from the Salt Collection; presented by Dr. Theodosius Purland, F.S.A., per Mr. Joseph Mayer.

A Model of the King of Ava's State Barge, from Rangoon, and a Model of a Native Hut, with fittings and appliances, from the Orinoco River; presented by Mr. R. D. Radcliffe.

A Cup and Saucer of Venetian Porcelain, marked with a red anchor and decorated with roses; presented by Mr. P. H. Rathbone.

A North American Indian Dress attributed to Osceola, a Seminole Chief, prominent in a struggle in Florida with the United States Government, 1832-7; presented by Mr. John Vickers.

A Native Ashira Weaving Machine, from the 'Nguni, a branch of the River Ogowe, West Africa; presented by Mr. W. Woodward.

A collection of Wedgwood Medallion Portraits, specially struck for the Mayer Collection from the original moulds, has been received through the courtesy of Messrs. Wedgwood, of Etruria.

EXCHANGES.

The following objects have been received in exchange for duplicates :—

A hundred and one Wedgwood-ware Portrait Medallions, from Mr. W. Bartlett.

An English Delft Bowl, an ancient Venetian Glass Bottle, and thirty-eight small Wedgwood White Biscuit Porcelain Cameos, from Mr. W. Wareham.

Three Palæolithic Flint Implements and five other specimens, from Mr. A. W. Franks.

PURCHASES.

A pair of Japanese Bronze Storks.

A large Incense Burner in Japanese Kioto Ware.

Eleven specimens of Early English Pottery, including pieces recently found in High Street, Oxford.

A Four-handled Tyg of Liverpool Slip Ware, said to have been made on Shaw's Brow.

A collection of Greek, Coptic, and Arab Papyri, from the Mounds of Crocodilopolis, Egypt.

A collection of Egyptian, Greek, Arab, and other Antiquities.

Eighteen specimens of Spanish and Italian Pottery, Glass, &c.

One hundred and twenty-one specimens of Egyptian, Etruscan, Greek, and Roman Antiquities.

A collection of small Peruvian Antiquities, from Samamer.

A diminutive Jivaro Indian Head, from the River Napo, Ecuador.

FREE LECTURES.

The Thirteenth Course of Free Lectures was delivered in January, February, and March, 1878.

LIST:

One Lecture on Social Life amongst our Ancestors, by Mr. Councillor J. A. Picton, J.P., F.S.A., Chairman of the Library, Museum, and Arts Committee.

One Lecture on Bible Lands, by the Rev. H. H. Higgins, M.A.

One Lecture on Mediæval Art and the Monastic Orders, by Mr. Henry Clark.

Two Lectures on Vocal Music, by Mr. James Veaco.

One Lecture, A Visit to Sunny Lands, by Mr. Councillor J. A. Forrest.

Two Lectures on Navigation, by Mr. James Gill, Teacher of Navigation and Nautical Astronomy at the Sailors' Home.

One Lecture on the Chemistry of Sugar Refining, by Dr. Edmund Alleyne Cook, F.C.S.

Two Lectures on the Education of the Blind, by the Rev. Alexander Whishaw, M.A., Minister of the Church for the Blind, Liverpool.

One Lecture on Mary Queen of Scots, by the Rev. William Cunningham, M.A.

Two Lectures on Robert Burns and one on Edinburgh, by the Rev. William Graham.

One Lecture on Sponges, their Natural History and Development, by Mr. Thomas Higgin, F.L.S.

Three Lectures on Art, by Mr. Councillor P. H. Rathbone (viz., Nuremberg and Albert Durer; Antwerp and Rubens; Florence, Giotto and Donatello).

- Two Lectures on the Chemistry of Water Supply, by Mr. Norman Tate.
- Two Lectures on Socrates and Charles Lamb, by the Rev. Samuel Pearson, M.A.
- One Lecture on the Rutter-Phillips Collection of Minerals, by Mr. F. P. Marrat, M.L.G.S.
- One Lecture on the Natural History of the "Challenger" Expedition (Atlantic Researches), by Mr. T. J. Moore, Curator of the Museum.
- One Lecture on the Arithmetic of Saving and Growing Money, by Mr. William Relton.
- Two Lectures on Hogarth's Industrious and Idle Apprentices, and Leisure, by the Rev. Hugh Stowell Brown.
- Two Lectures on the Chemistry of Vegetable and Animal Life, by Mr. Edward Davies, F.C.S.
- One Lecture on Adam Bede and Daniel Deronda, by Mr. B. Herdman Grindley.
- One Lecture on Shakespeare's Seven Ages of Man, and one Reading with Recitals, by Mr. Charles Dyll, Curator of the Walker Art Gallery.
- One Lecture on the Pacific Ocean ; its Shores and Islands, and the Evidence found there concerning the Human Race ; by Mr. A. J. Mott, late President of the Literary and Philosophical Society of Liverpool.
- One Lecture on William Caxton and the Invention of Printing, by Mr. Peter Cowell, Chief Librarian of the Free Public Library.
- One Lecture on the Geological Map of Great Britain, by Mr. R. A. Eskrigge, F.G.S.
- Two Lectures on the Balance of Power in Europe, by Mr. James Birchall, author of "England under the Normans and the Plantagenets."
- One Lecture on California and the Yosemite Valley, by Mr. Councillor A. H. Lewis.
- One Lecture, A Visit to Pompeii, by Mr. Henry Duckworth, J.P., F.R.G.S.

One Lecture, An Hour with the Microscope, with special reference to the origin of Minute Forms of Life, by the Rev. W. H. Dallinger, Vice-President of the Royal Microscopical Society.

One Lecture on Torpedo Warfare, by Lieut. Francis Ingram Palmer, R.N.

One Lecture on the Character of Abraham Lincoln, by Colonel J. W. Forney.

CAMBRIDGE UNIVERSITY LECTURES.

In addition to the above it was thought advisable to institute a course of high-class lectures and examinations in connection with the Cambridge University Syndicate.

The first course—on Political Economy, consisting of eleven lectures—was delivered by the Rev. W. Moore Ede, M.A., of St. John's College, Cambridge, commencing on the 9th October last.

Examination papers were sent in by 72 persons. Of these 14 failed, 22 passed in the first class, 36 in the second. High praise was bestowed by the examiners on the general character of the papers sent in.

The success of this course has encouraged the Committee in the proposal to establish a similar course during the current year.

The Liverpool School of Science has had the use of rooms as in former years, in which the following Courses of Lectures have been delivered, in connection with the Department of Science and Art, South Kensington:—

Practical Plane and Solid Geometry, and Machine Construction and Drawing. Teacher, Mr. A. J. Briant.

General Biology and Animal Physiology. Teacher, Mr. J. Powell Wright.

Navigation and Nautical Astronomy. Teacher, Mr. James Gill.

Geology and Mineralogy. Teacher, Mr. William Semmons.

Examinations conducted under the management of the Universities of Oxford and Cambridge and of the Civil Service Commissioners have taken place as usual.

The following Societies have also had the use of rooms:—The Amateur Photographic Society, the Liverpool Numismatic Society, and the Lancashire and Cheshire Entomological Society.

Walker Art Gallery.

VISITORS.

SINCE the date of the last Report the Gallery has been open on 272 days, and closed on 44 days for cleaning and the re-arrangement of the permanent collection. Total Visitors during the year, 567,626 (being a daily average of 2,088). Of this total, 89,110 persons paid for admission to the Autumn Exhibition of Pictures.

The Committee invited 34 schools in the town to visit the Exhibition free of charge, and scholars to the number of 7,962 attended. These are also included in the total admissions to the Gallery.

AUTUMN EXHIBITION.

The sales from the exhibition this year have not equalled those of the previous year, owing to the depressing circumstances of the times. In all other respects this has been the most successful exhibition yet held.

The following are the statistics :—

	1878.	1877.
Number of Pictures and other Works of Art exhibited	1,062	1,320
Number of Pictures sold.....	238	302
Amount realised by sales, inclusive of a Picture by Herkomer, purchased from the easel	*£7,340 7 0	£10,989 6 0
Season Tickets	2,734 528 14 6	2,316 443 14 0
Admissions at one shilling.....	39,297 1,964 17 0	38,572 1,928 12 0
Ditto threepence	33,860 423 5 0	33,533 419 3 3
Ditto sixpence	13,219 330 9 6	
Catalogues sold.....	562 8 6	454 10 1
Commission on sales.....	242 4 2	537 11 2
Amount received, exclusive of sales ...	3,809 14 6	3,245 19 4

* This amount includes the Pictures purchased out of the Exhibition by the Corporation, on which commission is not charged.

DONORS OF WORKS OF ART.

The Donations and Bequests to the Gallery have been numerous and important. A valuable collection of Oil Paintings, Water-colour Drawings, and Engravings has been bequeathed by the late Mrs. Margaret Harvey, of Aigburth. Seven important Oil Paintings were presented in the names of various members of his family, by Mr. George Arkle, J.P.

Three valuable Paintings were presented, by deed of gift, by the late Mr. James Aikin, J.P. ; and the members of his family also presented a fine marble copy of the "Crouching Venus." The Committee are also indebted for other important Donations to Mr. A. G. Kurtz, Messrs. Agnew & Sons, Mr. Thos. Harding, Mr. A. Legros, Col. A. H. Brown, and H. Herkomer. Messrs. Frisch & Shierwater have presented a large Clock, which is placed in the upper Hall.

The sum of £2,994 16s. 2d. has been expended in purchases as follows :—

OIL PAINTINGS—

"And when did you last see your Father?"—Commissioners and Soldiers of the Long Parliament in a Manor House, questioning the inhabitants as to the whereabouts of the Royalists; by W. F. Yeames, A.R.A.

"A War Despatch at the Hotel de Ville," by A. C. Gow.

"Gathering Bait," by J. Aumonier.

"The Duenna," by J. Ecford Lauder.

"Voices of the Sea," by the late F. W. Topham.

"The Lake of Lucerne," by T. Danby.

"A Woman and Child," by F. Goodall, R.A.

"Eventide : a Scene in the Westminster Union," by Hubert Herkomer.

"The Port of Genoa," by the late J. Holland.

WATER COLOURS—

"A View of Water Street in 1810," by W. G. Herdman.

"The New Haymarket in Liverpool," by S. Eglington.

DONATIONS AND BEQUESTS.

OIL PAINTINGS—

"An Italian Hostelry between Rome and Ancona," by C. W. Cope, R.A.; presented by Mr. Thomas Harding.

"The North Shore, or Estuary of the River Mersey," by the late A. Hunt; presented by Mr. Thomas Harding.

"Portrait of John Gibson, Esq., R.A.," by Partridge; presented by Messrs. T. Agnew and Sons.

"Lady Macbeth" (ideal portrait), by T. F. Dicksee; presented by Mr. A. G. Kurtz.

"The Pattern," Connemara, by the late F. W. Topham; presented by Lieut.-Col. A. H. Brown, M.P.

"Ruins in the City of Rome," by Cavaliere Giovanni Paolo Pannini; presented by Mr. James Aikin.

"King Ædipus and his Daughters," by Henry Fuseli, R.A.; presented by Mr. James Aikin.

"The Finding of Æsculapius," by Taglioni; presented by Mr. James Aikin.

"The Parable of Forgiveness," by J. Eckford Lauder; presented by Mrs. Arkle.

"Ruins of a Temple and Amphitheatre," by D. Roberts, R.A.; presented by Mr. George Arkle.

"The Trial of the Earl of Strafford in Westminster Hall, 1641," by William Fisk; presented by Mr. James Arkle.

"King Richard I. of England, surnamed Cœur de Lion, and Soldan Saladin," by S. A. Hart, R.A.; presented by Mr. George Herbert Arkle.

"Cromwell Refusing the Crown," by J. Schex; presented by Mr. Edward Stanley Arkle.

"View on the Thames near Maidenhead," by E. J. Niemann; presented by Mr. Alexander Baillie Arkle.

"Robinson Crusoe Explaining the Scriptures to Friday," by Alexander Fraser; presented by Mr. Frank St. John Arkle.

Landscape, "Moorland Scenery," by T. Creswick, R.A.; Harvey bequest.

River Scene, "The Way Across the River," by T. Creswick, R.A.; Harvey bequest.

"Head of a Young Man," by Gerard Douw; Harvey bequest.

"Lady and Cavalier Taking Refreshment," by Terburg; Harvey bequest.

"Pharold Dividing the Spoil with his Tribe," by Thomas Clater; Harvey bequest.

"Cattle in Dutch Landscape," by Van Stry; Harvey bequest.

"The Outcast, Crazy Kate," by W. J. Bishop; Harvey bequest.

"The Gathering of the Vintage, Seville," by Robert McInnes; Harvey bequest.

"Dutch Boors" (a pair), by D. Teniers; Harvey bequest.

"Landscape and Water Mill, Waterloo," by Breughel; figures by Luigelbach; Harvey bequest.

"Marine View," by Van de Velde; Harvey bequest.

WATER COLOUR DRAWINGS—

"Landscape and Sheep," by Birket Foster; Harvey bequest.

"Wormhead, Coast of Cornwall," Shipping off the Coast; By E. Duncan; Harvey bequest.

Swiss Scene, "Part of the Village and Church of Val Orsiere, on the road between Chamouni and the Tete Noir," by T. M. Richardson; Harvey bequest.

"Italian Lake, Maggiore," by T. M. Richardson; Harvey bequest.

"Cow and Sheep," by T. S. Cooper, R.A.; Harvey bequest.

"Jar of Flowers, and Basket of Flowers," by Mrs. Harrison; Harvey bequest.

"Contemplation," by W. Hunt; Harvey bequest.

"The Wreckers," by A. Herbert; Harvey bequest.

"The Stile," by Birket Foster; Harvey bequest.

"Group of Children," by F. W. Topham; Harvey bequest.

ENGRAVINGS AND ETCHINGS—

"The Infant Samuel;" Harvey bequest.

"The First Minuet," after Millais; Harvey bequest.

"The First of May," after Landseer; Harvey bequest.

"The Queen;" Harvey bequest.

"The Late Prince Consort;" Harvey bequest.

"The Finding of Christ in the Temple," after Holman Hunt; Harvey bequest.

"The Immaculate Conception," after Murillo; Harvey bequest.

"Shoeing," after Landseer; Harvey bequest."

"Head of an Old Woman," etched by H. Herkoner; presented by the Artist.

The following Etchings, by A. Legros, have been presented by the Artist :—

“ Cardinal Manning,”

“ Le Mouton Retrouve,”

“ Les Bucherons,”

“ Tete d’Homme,”

and five Drawings and Etchings, executed before the Students of the Slade School of Art, London University.

Marble Copy of the “ Crouching Venus,” presented by the family of the late James Aikin.

Clock for upper Hall ; presented by the makers, Messrs. Frisch and Shierwater.

LECTURE ON ART BY MR. HERKOMER,

Painter of “ The Last Muster,” “ Eventide,” &c., Gold Medallist Paris Universal Exhibition, 1878.

On Saturday, November 2nd, a lecture entitled “ A Philosophical Ramble in Search of True Art ” was given at the Hall of the Free Library, under the auspices of the Committee, by Mr. Herbert Herkomer. About 400 students, and others interested in art culture, attended.

At a *conversazione*, held at the Art Club on the following Monday, Mr. Herkomer suggested the holding of an Art Congress, or Painters’ Festival, in Liverpool, at which some of the leading artists should be invited to give practical illustrations of painting to the students of the district. The proposal has been received with considerable favour, and is likely to be acted upon during the ensuing summer or autumn.

LESSON IN PAINTING BY MR. A. LEGROS,

Professor at the Slade School, London University.

As a step in the direction indicated by Mr. Herkomer, the Committee availed themselves of an offer by Mr. Alphonse Legros to give a public lesson in painting to some of the art students of the town. The lesson was given at the Walker Art Gallery on Wednesday, November 27th, and was attended by nearly 200 Students, who received tickets free on producing certificates of advanced studies in drawing and painting. Mr. Legros painted a fine study of a head from the life in one hour and forty minutes, which he afterwards presented to the Committee for the permanent collection, together with a number of etchings and drawings also by himself.

The exhibition was brought to a close on Monday, December 9th, when a *soirée* was held, attended by about 1,000 visitors.

The following Pictures, in response to a request from H.R.H. the Prince of Wales, were lent to the Paris Exhibition, and have been returned in good order :—

“ Serf Emancipation,” by Armitage.

“ Richard II. Resigning the Crown to Bolingbroke,” by Sir John Gilbert.

“ Dinner Time at Purbeck Quarries,” by A. D. Fripp.

Signed, on behalf of the Committee,

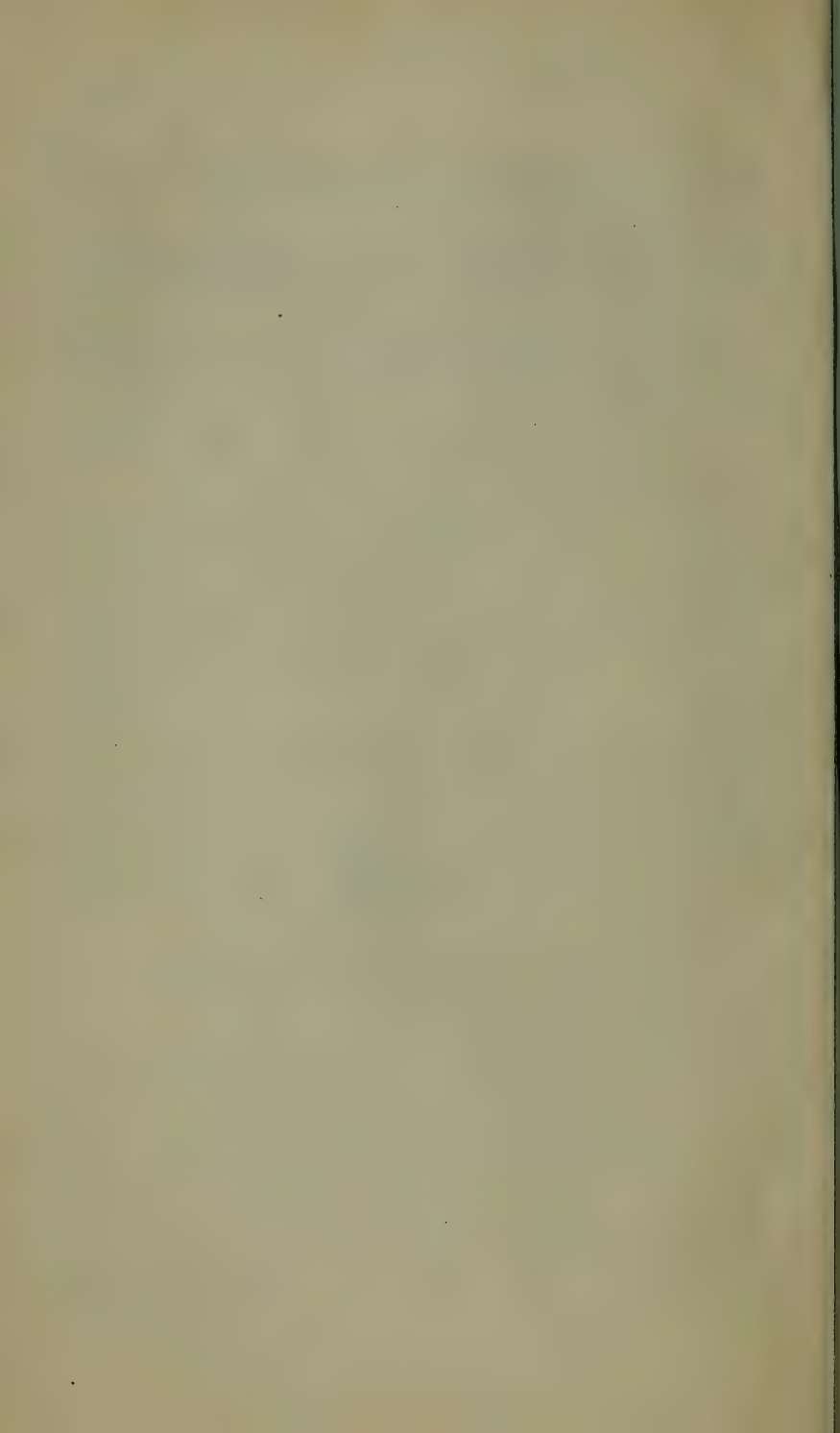
J. A. PICTON,

CHAIRMAN.

PRESENTED

15 JUL 1898





TWENTY-SEVENTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY,
OF THE
BOROUGH OF LIVERPOOL.



LIVERPOOL:
PRINTED BY HENRY GREENWOOD, 32, CASTLE STREET.

—
1880.



TWENTY-SEVENTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY,
OF THE
BOROUGH OF LIVERPOOL.



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COMMITTEE AND OFFICERS.

FOR THE YEARS 1879-80.

Committee.

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REPORT.

THE Committee have pleasure in reporting the continued progress of the institution in all its departments.

The Reference Library, which was the original foundation, and from which the other departments have sprung, has developed considerably during the year, the number of volumes issued having risen from 437,746 to 516,527, and the total issues from 729,540 to 808,045. This is the result up to the close of the municipal year on the 31st of August last.

The New Reading Room, in regard to which the Council have honoured the Chairman by attaching his name to it, was opened on the 8th of October by the Mayor and Council, after which a banquet was held in St. George's Hall, the Right Hon. the Earl of Derby in the chair.

The greater portion of the books have been transferred to the shelves in the new room, but a large number still remain in the old library, space being required for the rapid accumulations in the several divisions and classes.

The Council having given their consent, the completion of the new Lecture Room under the New Library will be proceeded with, without delay.

The completion of the Picton Reading Room, forming the connecting link between the Brown Library and Museum on one side and the Walker Art Gallery on the other, has furnished the town with a range of apartments having internal communication, almost unrivalled for the purposes of a public demonstration. These advantages were felt on the occasion of the Post Office and Telegraphic Conference of Delegates from all parts of the world, which was held in Liverpool in September last, and again at the *Soirée* at the close of the Annual Exhibition in December.

REFERENCE LIBRARY.

Since the opening of the Picton Reading Room the arrangements for the readers have undergone some modification. The old reading room is appropriated to light literature and periodicals, the new room to science and general literature. Having made this arrangement it was thought desirable to abolish the system of tickets to the private or students' room, which to many appeared an invidious distinction, the new room affording ample accommodation for quiet study, and open freely to all. At the same time, should circumstances require it, the old students' room is still available.

The statistics are as follow:—

TABLE I.—Showing the total issue of volumes for the year:—

Classification.	Volumes Issued.	Daily Average.
Theology, Morals, &c.	19,888	71
Natural Philosophy, Astronomy, &c.	15,108	54
Natural History	6,906	24
Science and the Arts	27,777	99
History and Biography	33,796	121
Topography and Antiquities	6,456	23
Voyages and Travels	20,210	72
Miscellaneous Literature (principally collected Works, Magazines, &c.)	108,292	387
Jurisprudence, Law, and Politics	3,785	14
Commerce, Political Economy, and Statistics	4,947	18
Education and Language	6,860	24
Poetry and Dramatic Literature	22,337	80
Prose Fiction	226,581	809
Latin and Greek Classics, and Translations	5,312	19
Heraldry, Encyclopædias, and Works of Reference	8,272	30
Total	516,527	1845

TABLE II.—Showing the issue of Quarterly and Monthly Magazines exclusively:—

Classification.	Magazines Issued.	Daily Average.
Theology, Morals, &c.	3,113	11
Natural Philosophy, &c.	322	1
Natural History	260	1
Science and the Arts	2,016	7
Topography and Antiquities	169	1
Voyages and Travels	127	1
Miscellaneous Literature	43,589	156
Commerce, Political Economy, and Statistics	683	2
Education and Language	414	1
Total,	50,693	181

TABLE III.—Showing the issue of Weekly Periodicals, &c., exclusively :—

Classification.	Periodicals Issued.	Daily Average.
Natural Philosophy.....	2,623	9
Natural History	2,492	9
Science and the Arts	12,576	45
Miscellaneous Literature (principally Illustrated and Literary Periodicals)	189,934	679
Law and Politics	620	2
Commerce and Political Economy	789	3
Directories and Dictionaries	14,633	52
Total.....	223,667	799

Total Patents for Inventions consulted, 17,158. Daily Average, 65.

RECAPITULATION OF TOTALS.

Volumes of Books	This Year	516,527 ;	Last Year	437,476
Quarterly and Monthly Magazines ..	"	50,693	"	51,654
Weekly Periodicals, &c.....	"	223,667	"	229,258
Patents Consulted	"	17,158	"	11,152

Grand Total.....	808,045	729,540
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Total Increase this Year, 78,505.

Besides the constant and unrestricted use of some eighty volumes of Dictionaries and other works wholly of reference, of which no statistics are taken.

TABLE IV.—Showing the number and classification of works added during the year :—

Classification.	Volumes Added.	Total No. in the Library.
Theology, Morals, &c.....	116	5,560
Natural Philosophy, Astronomy, &c.	62	1,628
Natural History	120	3,881
Science and the Arts	260	8,304
History and Biography	331	9,402
Topography and Antiquities	156	3,408
Voyages and Travels	112	4,049
Miscellaneous Literature (principally collected Works, Magazines, &c.).....	748	14,685
Jurisprudence, Law, and Politics.....	154	5,809
Commerce, Political Economy, and Statistics	48	778
Education and Language	41	1,140
Poetry and Dramatic Literature	90	3,043
Prose Fiction	87	5,382
Latin and Greek Classics and Translations	35	592
Heraldry, Encyclopædias, and Works of Reference.....	75	2,170
Total.....	2,435	69,381

The following is the list of Magazines and Periodicals illustrating Tables II. and III. :—

QUARTERLY.

Annales des Sciences Naturelles
 Archæologia Cambrensis
 Archæological Journal
 British and Foreign Evangelical Review
 British Quarterly Review
 Church Quarterly Review
 Dublin Review
 Edinburgh Review
 Ibis
 Journal de Conchyliologie
 Journal für Ornithologie
 Journal of Anatomy
 Journal of the British Archæological Association
 Journal of the Royal Agricultural Society
 Journal of the Society of Antiquaries
 Journal of the Statistical Society
 London Quarterly Review
 Mind
 Navy List
 New Quarterly Magazine
 Numismatic Chronicle and Journal
 Popular Science Review
 Quarterly Journal of the Geological Society
 Quarterly Journal of Microscopical Science
 Quarterly Review
 Revue Celtique
 Revue et Magasin de Zoologie
 Stray Feathers
 Sunday Review
 Theological Review
 Traethodydd
 Westminster Review
 Zeitschrift für Deutsche Philologie
 Zeitschrift für Ethnologie

MONTHLY.

All the Year Round
 American Naturalist
 Annals and Magazine of Natural History
 Argosy
 Army List
 Art Journal
 Atlantic Monthly
 Band of Hope Review
 Banker's Magazine
 Belgravia
 Bibliothèque Universelle
 Blackwood's Magazine
 Cassell's Magazine
 Catholic Presbyterian
 Chambers's Journal
 Church Missionary Gleaner
 Church Missionary Intelligencer
 Church Missionary Juvenile Instructor
 Congregationalist

MONTHLY—Continued.

Contemporary Review
 Continental Railway Guide
 Cope's Tobacco Plant
 Cornhill Magazine
 Daheim
 Day of Rest
 Dietetic Reformer
 Educational Guide
 Educational Times
 Englishwoman's Review
 Financial Reformer
 Fireside
 Florist and Pomologist
 Fortnightly Review
 Fraser's Magazine
 Gazette des Beaux Arts
 Gartenlaube
 Gentleman's Magazine
 Geological Magazine
 Good Words
 Homœopathic World
 International Review
 Journal of Conchology
 Journal of the Chemical Society
 Journal of Horticulture
 Journal of Science
 Leisure Hour
 Library Journal
 London Society
 Macmillan's Magazine
 Magazine of Art
 Mineralogical Magazine
 Month
 Monthly Microscopical Journal
 Musical Times
 Nautical Magazine
 Next of Kin Gazette
 Nineteenth Century
 North American Review
 Once a Week
 Orchestra
 Petermann's Mittheilungen, &c.
 Phonographic Reporter
 Portfolio
 Printer's Register
 Printing Times
 Quiver
 Railway Guide
 Revue Archéologique
 Revue Britannique
 Revue Chrétienne
 Royal Geographical Society's Journal
 Science Gossip
 Scribner's Monthly
 Shorthand Magazine
 St. James's Magazine
 Sunday at Home
 Sunday Magazine

MONTHLY—*Continued.*

Temple Bar
Theatre
Tinsley's Magazine
Truthseeker
United Service Journal
University Magazine
Women's Suffrage Journal
Yachting Magazine
Zoologist

FORTNIGHTLY.

British and Colonial Printer and Stationer
Gazette des Architectes
Revue des Deux Mondes
Unsere Zeit

WEEKLY.

Academy
Alliance News
Architect
Athenæum
Argus
British Architect
Broad Arrow
Builder
Builders' Weekly Reporter
Building News
Cambridge University Reporter
Capital and Labour
Chemical News
Chronique des Arts
Civilian
Colonies
Comptes Rendus
Economist
Engineer
Engineering
English Mechanic
Era
Examiner
Field

WEEKLY—*Continued.*

Fun
Gardeners' Chronicle
Good Templar's Watchword
Graphic
Illustrated London News
Iron
Jewish Chronicle
Journal of Gaslighting, &c.
Journal of the Society of Arts
Judy
Keystone
Lancet
Land and Water
Lantern
Law Times
League Journal
Liberal Review
Local Government Chronicle
London Gazette
Mayfair
Mining Journal
Nature
Naval and Military Gazette
Notes and Queries
Oxford University Reporter
Pharmaceutical Journal
Pictorial World
Porcupine
Public Opinion
Punch
Railway Journal
Saturday Review
Scientific American
Spectator
Sydney Mail
Temperance Record
Truth
Universal Engineer
Volunteer Service Gazette
Vanity Fair
Weekly Notes
World

DONORS AND DONATIONS.

The following donations have been received during the year :—

- AMSTERDAM, EVANGELISCH LUTHERSCH SEMMARIUM:—Catalogue of the Library.
- BALTIMORE, JOHNS HOPKINS UNIVERSITY:—Chesapeake Zoological Laboratory. Scientific Results, 1878.
- BIRDWOOD, G. C. M. (the Author), Paris Exhibition, 1878: Handbook to British Industrial Section.
- BIRKENHEAD LITERARY AND SCIENTIFIC SOCIETY:—Report, 1878-9.
- BIRMINGHAM CORPORATION:—Bunce's History of the Corporation of Birmingham, vol. 1, 1878.
- BIRMINGHAM LIBRARIES COMMITTEE:—Liverpool Corporation Treasurer's Report for 1830.
- BOSTON PUBLIC LIBRARY, U. S. A.:—Bulletins; and Catalogue of the Ticknor Collection.
- BRADFORD PUBLIC LIBRARY:—Index Catalogue, &c., 1878.
- BRERETON, AUSTIN:—Journal of the Dramatic Reform Association, Nos. 1-16
- BRISCOE, J. P.:—Report of Conservancy Boards; Centralization; Stranger in Liverpool, 6th edition.
- BRITISH MUSEUM TRUSTEES:—Various Publications.
- CAINE, T. H. HALL:—Restoration of Ancient Buildings; Richard III. and Macbeth.
- CANADIAN GOVERNMENT, DEPARTMENT OF AGRICULTURE:—Patent Office Record.
- CARR, JAMES (the Author):—Annals and Stories of Colne.
- CASTELLAIN, A.:—Journal of the Royal Agricultural Society, vol. 14, and 15, part 1; Liverpool Philharmonic Concerts Programmes, 1849-50 to 1878-9.
- CERNUSCHI, HENRI (the Author):—Monetary Diplomacy in 1878.
- CLARKE, D. (the Author):—Scriptural Harmony.
- COOKE, MISS M.:—The Picards or Pychards of Stradewy Castle.
- COPENHAGEN ROYAL LIBRARY (per C. Bruun):—Aarsberetninger og Meddelelser fra det Store Kongelige Bibliothek
- COX, HOMERSHAM, M. A. (the Author):—Antient Parliamentary Elections.
- DANSON, WILLIAM:—The Great Charter.
- DANBARN, WILLIAM:—Literary Papers; Charles Lamb; Essays, Tales, &c.; Government, Conduct, and Example.
- DE RANCE, C. E.:—Underground Waters; Coal Fields.
- DUTCH CHURCH CONSISTORY, Austin Friars, London:—Catalogue of the Dutch Church Library.
- "EXAMINER," The Publishers of the:—The Academy Guide, 1879.
- HARVARD COLLEGE, CAMBRIDGE, U.S.A.:—Bulletins; List of Serial Publications; Auriferous Gravels of the Sierra Nevada, by Prof. J. D. Whitney.
- H. M. GOVERNMENT:—Catalogue of the Library of the Museum of Practical Geology and Geological Survey.
- HERDMAN, W. G. (the Author):—Poems in MS. and Print.
- HILL, SAMUEL:—Fragmentary Philanthropic Appeals; and various Pamphlets
- HUME, REV. CANON, D.C.L. (the Author):—Thomas Moore.
- HUTHINSON, WALTER H.:—Barbadoes Blue Book, 1877.
- INSTITUTION OF CIVIL ENGINEERS:—Minutes of Proceedings, vols. 53 to 57.
- INSTITUTION OF MECHANICAL ENGINEERS:—Proceedings, 1878-9.
- JONES, ROBERT (the Author):—Handrailing cut Square to the Plank.
- LEWIN, WALTER (the Editor):—Papers for the Times.
- Library Reports from the following Libraries:—Aston Manor; Astor Library, U.S.; Birkenhead; Birmingham; Blackburn; Bolton; Boston, U.S.; Brighton; Burlington, U.S.; Chester; Derby; Devon and Exeter; Dundee; Harvard University, U.S.; Leeds; Leicester; New York Apprentices, U.S.; Nottingham; Plymouth; Rochdale; Salford; San Francisco Mercantile, U.S.; Sheffield; South Shields; Southport; Swansea; Sydney, N.S.W.; Walsall; Wednesbury; West Bromwich; Westminster; Wigan; Wolverhampton; Worcester, U.S.
- LIVERPOOL ART CLUB:—Catalogue of Wedgwood Loan Collection.
- LIVERPOOL ENGINEERING SOCIETY:—Annual Report, 1877.
- LIVERPOOL LITERARY AND PHILOSOPHICAL SOCIETY:—Proceedings, vol. 32.
- LIVERPOOL (LYCEUM) LIBRARY:—Supplementary Catalogue, 1879.
- LIVERPOOL NATURALISTS' FIELD CLUB:—Appendix to the Flora of Liverpool; Proceedings.
- LIVERPOOL NUMISMATIC SOCIETY:—Journal. Large and small paper copies.
- LONDON CORPORATION:—Supplements to Catalogue of the Corporation Library; Analytical Index to the Remembrancer
- LONGMANS, GREEN & Co., MESSRS. (Publishers):—London Science Class-Books:—Mechanics, by Prof. Ball; Molecular Physics and Sound, by F. Guthrie; Hydrostatics and Pneumatics, by I. Magnus.

DONORS AND DONATIONS—(Continued.)

- MANCHESTER GEOLOGICAL SOCIETY :—Transactions, 1878-9.
- MANCHESTER STATISTICAL SOCIETY :—Transactions, 1877-8.
- MARSH, M. LE COMTE DE (the Author):—Voyage à Bender en 1712 ; and other Pamphlets.
- MICHELL, NICHOLAS (the Author):—Nature and Life
- NATIONAL SOCIETY FOR WOMEN'S SUFFRAGE :—Annual Report ; Opinions of Women on Women's Suffrage.
- NEVINS, A. E. :—Astronomical Lectures, by W. Whiston.
- NEW YORK APPRENTICES' LIBRARY :—Catalogue ; various reports, by-laws, &c.
- NOTTINGHAM FREE LIBRARY COMMITTEE :—First Supplement to Catalogue of Lending Library.
- ODLING, MRS. E. M. (the Authoress) :—Memoir of Alfred Smee.
- OHIO AGRICULTURAL BOARD :—Report for 1877.
- OHIO CENTRAL SCIENTIFIC ASSOCIATION :—Report, &c.
- PAPWORTH, WYATT :—Memoir of John B. Papworth.
- PATENTS, COMMISSIONERS OF :—Specifications, Indexes, &c.
- PATON, ALLAN P. (the Editor) :—The Hamnet Shakespeare :—Hamlet ; Cymbeline.
- PENNSYLVANIA, BOARD OF COMMISSIONERS :—Annual Report on the Public Charities.
- PFOUNDERS, C. :—Fuso Mimi Bukuro ; Japanese Art Treasures.
- PHILADELPHIA MERCANTILE LIBRARY :—Finding List for Novels ; List of Books in cases.
- PHILLIPSON & GOLDER, MESSRS. (the Publishers) :—Chester Diocesan Calendar.
- PILLING, WILLIAM (the Author) :—Ponce de Leon ; Near the Lagunas.
- PITMAN, I. :—Phonetic Journal, vols. 36 and 37.
- PLYMOUTH PUBLIC LIBRARY :—Supplementary Index Catalogue.
- PRATT, ORSON (the Author) :—Key to the Universe.
- PRESTON, EDWARD (the Author) :—Index to Heirs at Law.
- READE, T. MELLARD (the Author) :—Geological Pamphlets.
- ROYAL ASTRONOMICAL SOCIETY :—Monthly Notices, &c.
- ROYAL COLONIAL INSTITUTE :—Proceedings.
- ROYAL INSTITUTE OF BRITISH ARCHITECTS :—Sessional Papers.
- RUSSELL, LOGAN D. H., M.D. (the Author) :—Jamaica : a Home for Invalids.
- RUNDELL, W. W. (the Author) :—Daily Inequality of the Barometer.
- SCOTTISH TEMPERANCE LEAGUE :—Publications of the, 39 vols.
- SCRATCHLEY, ARTHUR (the Author) :—Treatise on Friendly Societies (Revised Edition, 1878).
- SHARPE, WILLIAM (the Author) :—Humanity and the Man ; The Conqueror's Dream.
- SHIPLEY, REV. O., M.A. (the Author) :—Principles of Faith, &c.
- SHOOLBRED, J. N., B.A. (the Author) :—Electric Lighting.
- SKEAT, REV. W. W., M.A. :—An English Anglo-Saxon Vocabulary.
- SMITHSONIAN INSTITUTION, U.S.A. :—Miscellaneous Collections, vols. 13-15 ; Contributions.
- SOTHERAN, MESSRS. H. & Co. (the Publishers) :—Free Libraries and News-rooms, by J. D. Mullins.
- SPRATT, ADMIRAL T., C.B. :—Travels in Crete ; Travels in Lycia.
- SPYBRY, F. G. :—Nottingham County Cricket Matches.
- STEPHEN, WALTER S. :—Ovid's Metamorphosis, 1690.
- SYDNEY PUBLIC LIBRARY :—Catalogue of the Reference Department ; Works on New South Wales.
- TAYLOR, J. STOPFORD :—Report of the Health of Liverpool.
- TEGIMA, S., TOKIO :—Outline History of Japanese Education, Literature, and Arts.
- THOMAS, HUGH O. (the Author) :—Intestinal Obstructions.
- TIMMINS, SAM :—Companion to the Liverpool Museum.
- TINNE, JOHN A. :—Petermann's Geographisches Mittheilungen ; Illustrated London News, vols. 71, 72, and 73.
- UNITED STATES GOVERNMENT :—Coast Survey, 1875 ; Motion of the Moon.
- VICTORIA, AGENT GENERAL FOR :—Geological Survey of Victoria, Nos. 2 and 4 ; Statistical Register of the Colony of Victoria, 1876-7.
- WALES, UNIVERSITY COLLEGE OF :—Calendar.
- WARRINGTON MUSEUM COMMITTEE :—Book Rarities in the Warrington Museum, by W. E. A. Axon.
- WATHERSTON, E. J. (the Author) :—Progress of British Commerce ; Free Trade in Gold and Silver.
- WAT, HENRY F. (the Author) :—State of the Navy.
- WILLIAMS & NORGATE, MESSRS. :—Geological Survey of Victoria, No. 3.
- ZOOLOGICAL SOCIETY OF LONDON :—Proceedings, 1878 ; Transactions, 1878.

LENDING LIBRARIES.

TABLE I.—General Statistics.

	This Year.			Last Year.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Volumes lent	214,467	209,104	423,571	224,705	216,519	441,224
Tickets issued to New Readers..	2,514	2,510	5,024	2,619	2,414	5,033
Tickets renewed	2,319	2,284	4,603	2,286	2,416	4,702
Tickets cancelled.....	2,568	2,486	5,054	2,369	2,458	4,827
Total readers on the books ..	4,806	4,860	9,666	4,878	4,855	9,733
Books lost or injured, and paid for	27	36	63	57	55	112
Books lost.....	5	10	15	9	6	15
Volumes worn out—replaced....	824	879	1,703	450	657	1,107
Volumes worn out—withdrawn...	464	290	754	228	210	438
New volumes added	457	412	869	318	321	639
Total No. of vols. in the Libraries	21,041	21,675	42,716	21,048	21,553	42,601

TABLE II.—Showing the Classification of Volumes Lent and Added

	Volumes Lent.			Volumes Added.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Theology, Moral Philosophy, &c.	4,722	4,043	8,765	16	15	31
Nat. Philosophy and Mathematics	3,807	2,805	6,612	16	17	33
Natural History	2,317	2,255	4,572	20	16	36
Science and the Arts	7,866	7,773	15,639	37	25	62
History and Biography	10,461	10,086	20,547	67	65	132
Topography and Antiquities	1,106	975	2,081	7	5	12
Voyages and Travels	6,232	5,662	11,894	23	27	50
Miscellaneous Literature	14,718	13,250	27,968	89	73	162
Jurisprudence, Law, and Politics	411	251	662	3	3	6
Commerce and Political Economy	876	873	1,749	3	5	8
Education, Languages, Logic, &c.	2,441	1,956	4,397	1	1	2
Poetry and the Drama	1,847	1,875	3,722	8	4	12
Prose Fiction	157,278	156,825	314,103	167	156	323
Latin and Greek Classics	255	306	561	..	..	..
Books for the Blind	130	169	299	..	..	..
TOTAL.....	214,467	209,104	423,571	457	412	869

Museum.

STATISTICS.

The Visitors to the Museum during the year have been as follows:—

	1879 219 Days.	1878. 213 Days.	Increase.
Total Visitors in the year	416,156	397,808	18,348
Weekly average	7,852	7,650	202
Daily average.....	1,900	1,867	33

The 18th of October, 1879, was the 18th anniversary of the opening of the Museum in the present building.

The total number of visitors during that time amounted to 7,980,181, giving a yearly average of 443,343.

DONATIONS.

Specimens of Flint Flakes from the Raised Beach, known as the Corran, at Larne, County Antrim; also Flint Flakes and Core from the gravel pit in the Raised Beach at Kilroot, near Carrickfergus, County Antrim, collected and presented by Mr. Frank Archer.

A cluster of Zoophytes, *Aglaophenia angulosa*, dredged in 8 to 10 fathoms at Johore Shoal, Singapore; presented by Surgeon-Major S. Archer.

A Sea Snake, *Chersydrus*, from the Java Seas; presented by Mr. William Baldwin.

Living specimens of Sessile Barnacles, *Balanus*, taken from the hull of the S.S. Egypt on her arrival at Liverpool after lying five weeks at Port Durnford, South Africa; presented by Mr. Edward Banner, J.P.

A specimen of Flexible Sandstone from near Delhi; presented by Mr. E. Bibby, Jun.

A living "Gopher" Terrapin; presented by Mr. Eugene Blackford, New York.

A living young Tortoise-Shell Turtle, *Chelone imbricata*, and a young Green Turtle, *Chelone viridis*, from the West Indies; presented by Mr. Walter Blythe.

Specimens of 26 species of Fossil Shells and 1 of Cirrhipeds from Post Pliocene beds of Canada and Portland, Maine, U.S.A.; presented by Dr. E. C. Bolles, per Mr. James Samuelson.

Six living Sea Urchins, *Echinus sphaera*, from Port Erin; presented by Mr. H. R. Boulton.

The skin of a Puma, small India-rubber Model of a Manatee, specimens of Birds, Reptiles, Insects, &c., from the River Amazon; collected and presented by Mr. Septimus Brocklehurst.

The Skull of an Egyptian Mummy; presented by Mr. J. A. Brown.

An Otter, killed near Corwen; presented by Mr. Thomas Cope.

A collection of Moa Bones, *Dinornis*, forming a nearly complete skeleton; also a small plate of Balcen, 19 inches long; the Ear-bone

of a large Seal; and specimens of Porpita; presented by Dr. Millen Coughtrey, Dunedin, New Zealand.

A young male African Elephant; presented by Mr. William Cross.

A collection of small Food and other Fishes from Malabar and Cochin; collected, named, and presented by Dr. F. Day.

A Red Deer (Hind) from Knowsley Park; presented by the Earl of Derby for the Osteological Collection.

A Culminated Albatross, *Diomedea culminata*; presented by Mr. T. W. Ellwood.

A small Cabinet of Minerals, collected by the late Professor Fownes; also specimens of Volcanic Rocks and four Fossil Coal Plants; presented by Mrs. R. F. Fownes.

A collection of one hundred and twenty selected specimens of Australian Minerals and Geological Specimens, including four models of Gold Nuggets; with MS. Catalogue and Labels, collected, prepared, and presented by Mr. John Greenwood, Melbourne, formerly of Liverpool.

Seven living Bull Frogs, presented by Prof. Hall, Albany, New York.

The Skull of a female Gorilla killed in 'Ngove, West Coast of Africa; presented by Mr. J. G. C. Harrison.

A Bottle of Freshwater Sponges, *Spongilla lacustris*, from the River Charles, near Wellesley, Mass., U.S.A., from Dr. Ephraim Cutter, of Boston; presented by Mr. Thomas Higgin.

A Sea Snake, ten and a half feet long, from Penang Harbour; collected and presented by Mr. Alfred H. Highton.

A Lobster covered with barnacles; presented by Mr. F. Howlett, for the Aquarium.

A Fossil Coral, from Andalucia, Illinois, and two Fossil Shells, from Buffalo, Scott Co., Iowa; presented by W. Hughes.

A large specimen of the Logger-head Turtle, from the West Indies, and a Collared Peccary; presented by Mr. George Hulse.

A sample of Metallic Arsenic; presented by Mr. F. Jackson.

A large Trilobite and a Septaria, from Newfoundland; presented by Messrs. Job, Brothers.

Specimens of Barnacles, *Balanus*, and masses of *Eschara* (Polyzoans allied to the Sea Mats), taken from the hull of the ship *Portia* in dry dock, San Francisco, after a voyage thence, clean, to Manilla and back, February 1st to July 25th, 1878, and lying about six weeks in Manilla; presented by Captain Johnstone.

A Slab of Pouka-Beck Stone, from Pouka Beck, near Ulverstone; presented by Mr. J. Jones.

Three Young Alligators; presented by Captain Kennedy.

A Common Adder, from Calvelly, Tarporley, Cheshire; presented by Mr. Frank H. Leah.

Mounting of twelve Slides of Spicules of *Gorgonia*, supplied from the Argo Expedition; prepared for the microscope by Mr. Alfred Leicester.

The Skin, Skull, and Horns of a Wapiti Deer; the Skin, Skull, and Horns of a Black-tailed Deer; a pair of Prong-horn Antelope Skins, with Skull of Male; and a Hairy Porcupine, from Wyoming; expressly collected for the Museum and presented by Mr. St. George Littledale.

A Snake Nut, presented by Mr. Joseph Mayer.

The Cast Skin of an American Snake, presented by Miss Mayer.

A large Boulder of Greenstone (Hornblendic Porphyry of Scotch Geological Surveyors), finely scored by glacial action, observed in the Boulder Clay in excavations for No. 3 Branch Steam Dock, Bootle, and reported by Mr. James Macintosh, F.G.S.; presented by the Mersey Docks and Harbour Board.

Two Siluroid Fishes, two Bass, a Pleuronectid and a Squid, presented by Captain J. H. Mortimer, Associate of the Literary and Philosophical Society of Liverpool.

Two specimens of Gneiss from Santos, South America (one with a vein of Quartz and Felspar, *Orthoclase*), and a Flying Squid, *Onychoteuthis*, from the East Coast of North America; presented by Mr. G. H. Morton, F.G.S.

A Specimen of the Blind Crayfish, from the Mammoth Caves of Kentucky; presented by Dr. J. B. Nevins.

Two Specimens of Ptarmigan from the Grampian Hills; presented by Mr. W. Nicol, per Rev. E. A. Pitcairn Campbell.

A series of Marine and other Specimens; collected during the voyage of the *Ennerdale* from Liverpool to Australia by Mr. C. E. Patterson, assisted by Dr. McAfee, and presented by Mr. C. E. Patterson.

Two specimens of the Spotted Bower-Bird, *Chlamydodera maculata*, and a fine example of the Bower, from Banana, Walloon, Queensland, collected by Mrs. A. M. Frances and presented by Mrs. H. McK. Powell.

A Polyzoon, *Hornera*, from Gavrilova, Arctic Coast of Russian Lapland; collected and presented by Mr. Edward Rae, F.R.G.S.

A Snake, from Seville River, Spain; presented by Mr. James Rushton.

The Skin of a Fox, *Canis vulpes*, from Norway; presented by Mr. James Samuelson.

A Bottle of Insects' *larvæ* and *pupæ* of "Sugar Borers," from the West Indies; the Skull and Bones of a Siluroid Fish, and the Skull and Bones of a small Dog-Fish Shark; presented by Messrs. Sandbach, Tinne & Co.

A young Shark, one of 43 taken alive from the mother Shark, October 7, 1877, by Captain James, Barque "Iron Crown;" presented by Mr. T. R. Shallcross.

Specimens of *Gorgonice* and a Sponge from West Africa; presented by Mr. J. S. Tyerman.

An extensive collection of Marine specimens, consisting of Fish, Mollusca, Crustacea, Echinoderms, Zoophytes, Sponges, &c., collected between Liverpool, Sydney, Tuticorin, and Rangoon, and presented by Captain W. H. Cawne Warren, Ship "Bedfordshire," Associate of the Literary and Philosophical Society of Liverpool.

A Bald Coot, *Fulica atra*, shot at Llanerchymor, near Mostyn; presented by Mr. Henry Williams.

Three Butterflies, *Papilio podalirius*, and three Moths, *Synlomis phegea*, from Creuznach, Rhenish Prussia; collected and presented by Mr. Maurice Wurzbürger.

PURCHASES.

The principal purchases for the Museum have been as follows:—

A Proboscis Monkey; two striped Hyænas; a Dolphin, *Delphinus delphis*, stranded in the Mersey and the first recorded capture in the district; a Merian's Opossum and young; and seventeen other Mammalia.

The skeleton of a Flying Fox ; sections of lower jaw of Hippopotamus and of Skull of Horse, showing growth and development of the teeth.

An important series of Bowers and Bower-Birds, which is believed to be unrivalled. They were purchased from Mr. Waller, of Sydney, by whom they were obtained during many years' residence in Australia. Of the Bower of the Regent Bird only one other example is known.

The series is as follows :—

The Bower of *Ptilonorhynchus holosericeus*, or Satin Bower-Bird, obtained in the Sheebin Scrub, Brisbane River ; and four Birds, one adult male, one female, and two males in change of plumage.

The Bower of *Chlamydodera nuchalis*, or Great Bower-Bird, Port Denison, Northern Queensland, and three Birds, two adult with nuchal plumes, and one without, probably female ; also bones and shells with Bower.

The Bower of *Chlamydodera maculata*, or Spotted Bower-Bird, three Birds, two adults with plumes and one without, obtained in the Myall Scrubs, near the borders of New South Wales and Queensland, and nearly two hundred miles inland from Brisbane ; also bones and shells with Bower.

The Bower of *Chlamydodera cerviniventris*, or Fawn-breasted Bower-Bird. This Bower, with pair of Birds, was collected at Port Moresby, New Guinea. This species also inhabits Cape York, North Australia.

The Bower of *Sericulus melianus*, or Regent Bird, obtained at the Eagle Farm Scrubs, about seven or eight miles from Brisbane, Queensland. It has four birds with it, two adult males, one male half changed in plumage, and one adult female.

A Wilson's Bird of Paradise, a pair of D'Albertis's Bird of Paradise, a D'Albertis's Crowned Pigeon and thirteen other Birds, and eight specimens for Osteological purposes.

A Horned Viper, two Basilisks, and a large Amazonian Terrapin ; also two large Terrapins and a Turtle for Osteological specimens.

A large Trout from Windermere.

Specimens of sixty selected species of Shells.

A Disarticulated Lobster and Scorpion.

Forty specimens of selected Insects from New Guinea, Sumatra, &c.

Five specimens of beautiful and delicate roseate Corals, *Allopora*; a Madreporé; two Corallines, and two Sponges.

The Skull of a Horse from the Cambridge Peat Fens; two teeth *in situ*, of lower Jaw of Mammoth; a young specimen of *Ichthyosaurus* from the Lower Lias of Barrow-on-Soar; the Carapace of a Turtle, showing upper and lower surfaces, from the Purbeck Oolite; a series of Fish Teeth from the Carboniferous Limestone; a slab of Corals, *Thecosmilia annularis*, from the Coralline Oolite; and four other Fossils.

EXCHANGES.

The Skeleton of a male Hooded or Crested Seal, *Stenmatopus cristatus*, killed by Captain West, Steam Whaler "Ravenswing;" from the Committee of the Free Library, Museum, and Albert Institute, Dundee.

The Skin, Skull, and Horns of a Rocky Mountain Sheep, *Ovis montana*, and two Skins and Skulls of the Coyote, *Canis latrans*, from Professor Ward, Rochester, New York.

FREE LECTURES.

The Fourteenth Winter Course of Free Lectures was delivered in the Lecture Hall of the Library in January, February, and March, 1879.

Total number of persons who attended the 41 Lectures	..... 14,906
Average per Lecture.....	363

LIST.

"Books," by Mr. Councillor J. A. Picton, J.P., F.S.A., Chairman of the Library, Museum, and Art Committee.

What is Science good for? by the Rev. H. H. Higgins, M.A.

Geological Results of the late British Arctic Expedition, under Captain Sir G. Nares, R.N., and their Bearing on the Geology and Glaciation of Britain, by Mr. C. E. De Rance, F.G.S., of H.M. Geological Survey.

John Milton, by the Rev. William Graham.

Levi Coffin, President of the "Underground Railway," by the Rev. A. M. Symington.

- England to Rome, with a Rest at the Paris Exhibition, illustrated by Photographic Transparencies, by Mr. Councillor J. A. Forrest.
- A Day at the Court of Nimrod, by Mr. W. St. Chad Boscawen.
- The Value of Literature to Young Men of Business, by Mr. Alderman W. B. Forwood, J.P.
- Life as it Is and as it Shall Be, by the Rev. John Burbidge.
- Prison Characters and Pictures of Perverted Life, by the Rev. James Nugent.
- Disinfectants and their Action, by Mr. Edward Davies, F.C.S.
- The Abbeys and Conventual Cathedrals of England, with Photographic Lantern Illustrations, by Mr. James Birchall.
- The Steady Man, by the Rev. Hugh Stowell Brown.
- The Poetry of Pre-Raphaelitism—Dante Gabriel Rossetti, by Mr. T. H. Hall Caine, President of the Liverpool Notes and Queries Society.
- Popular Culture, by Mr. Baron L. Benas.
- Our Ironclad Navy, Present and Past, by Lieut. Francis Ingram Palmer, R.N., late of H.M.S. "Magdala."
- On Zoological Study and Classification (illustrated), by Mr. James Samuelson.
- A Key to Tennyson's "In Memoriam," by the Rev. Alfred Gatty, D.D.
- The Italian Renaissance—Painting, by Mr. Henry Clark.
- The House we Live in, by Mr. James T. Armstrong, F.C.S.
- The Poetry of Sir Walter Scott, by Mr. Alfred H. Cowie.
- Morality in English Fiction, by Mr. James Ashcroft Noble.
- On the Rules of Good Taste as regards Modern Dress of Men and Women, by Mr. Councillor P. H. Rathbone.
- Some account of our English Bible—illustrated by some early copies in the Free Public Library, by Mr. Peter Cowell, Chief Librarian.
- The Hand and Foot in Man and Animal, with illustrations, by Mr. T. J. Moore, Curator of the Museum.

Travelling in the Good Old Times—illustrated with diagrams, by the Rev. Samuel Pearson, M.A.

Readings from Shakespeare, Poe, Scott, &c., by Mr. Alexander Tough.

Geological Periods of the Earth's History, as interpreted by the the Fossil Remains of Gigantic Animals, by Mr. B. Waterhouse Hawkins, F.G.S.

Smiles's Life of Thomas Dick, Baker, Botanist, and Geologist, by Mr. B. Herdman Grindley.

English Speech and Common Errors in Pronunciation, by Mr. W. Relton.

The Unity of the Physical Forces—Light, Heat, Electricity, Magnetism; Sound, the Phonoscope, the Telephone, the Microphone, the Phonograph, &c., by Mr. C. H. Stearn.

Boswell's Life of Johnson, by the Rev. Charles Beard.

The Social Condition of the United Kingdom during the early part of the last Century, by Mr. W. H. Jones, J.P.

Gleanings from the Natural History of the Ancients, by the Rev. William Houghton, M.A., F.L.S.

Buddha and Buddhism—with illustrations, by Mr. Henry Duckworth, J.P., F.R.G.S.

Historical Poetry of Scotland, by Mr. Alexander Tough.

The Vagaries and Follies of Fashion—illustrated by numerous sketches of Costume, ancient and modern, by Mr. Charles Dyll, Curator of the Walker Art Gallery.

Heroines of Shakespeare, by Mr. E. R. Russell.

Sleep and Dreams, by the Rev. T. A. Snow, M.A.

Islands and People of Polynesia, by the Rev. S. J. Whitmee (late of Samoa), F.R.G.S., C.M.Z.S.

A Study of the Lifetime of one of the Least and Lowliest Organisms in Nature—What we may learn from it; with Oxy-hydrogen illustrations, by the Rev. W. H. Dallinger, V.P.R.M.S.

CAMBRIDGE UNIVERSITY LOCAL LECTURES AND EXAMINATIONS.

A course of fourteen lectures on Political Economy, has been delivered by the Rev. W. Moore Ede, M.A., of St. John's College, Cambridge.

To these 480 tickets for the course have been issued.

These lectures were delivered in the Lecture Room of the Library.

Four experimental lectures, by Professor Roscoe, F.R.S., on the "Four so-called Elements of the Ancients," were delivered in the Concert Room, St. George's Hall, in the month of October, to crowded audiences.

Admission to these lectures was by ticket free of charge, Dr. Roscoe having kindly given his services entirely gratuitously.

In the month of November Dr. J. Campbell Brown delivered four experimental lectures, in the Concert Room, on the "Chemical Elements as now understood, or the Materials of which the Earth is Composed."

The admission to these was by ticket without charge. The attendance was very good.

Dr. Campbell Brown also placed his services at the disposal of the Committee gratuitously.

The Liverpool School of Science has had the use of rooms as in former years, and the following courses of lectures are being delivered in connection with the Department of Science and Art, South Kensington.

Practical Plane and Solid Geometry. By Mr. J. A. Briant.

Machine Construction. Do.

Building Construction. Do.

General Biology. By Mr. G. W. Slatter.

Animal Physiology. Do.

Elementary Botany. Do.

Examinations conducted under the management of the Universities of Oxford and Cambridge and of the Civil Service Commissioners have taken place as in former years.

The following societies have also had the use of rooms:—The Amateur Photographic Society, the Liverpool Numismatic Society, and the Lancashire and Cheshire Entomological Society.

MAYER MUSEUM.

A second edition of the Egyptian Catalogue, with a number of additional woodcuts, and a description of the Assyrian and Babylonian antiquities, has been issued during the past year.

The Egyptian antiquities, which are on the basement of the Mayer Museum, being at present exhibited in unsuitable cases and in too dark a position for careful examination, the Committee have set aside an annual amount for providing more convenient cases.

The Mayer Collection, with the other antiquities, have now been grouped into a new Department called the "Mayer Museum," of which Mr. Gatty has been appointed Curator.

During the early part of the year the Committee granted the loan of a large selection of Wedgwood-ware from the Mayer Collection for an exhibition at the Liverpool Art Club, which formed an important feature in that exhibition.

DONATIONS.

A Cabinet containing a series of red sealing-wax impressions from the Intaglios of Josiah Wedgwood; a Plaster Cast of an Assyrian clay tablet in the British Museum, of the time of Assurbanipal, recording the sale of a field in the vicinity of Nineveh. The inscription gives the names of certain neighbouring properties, and a list of names of persons witnesses to this transaction. The seal of the owner is impressed on the tablet, the subject being Ishtobar holding a gazelle, size, $3\frac{1}{2}$ in. by $1\frac{3}{4}$ in.; a Cast of an Assyrian black basalt Dedication Stone, the original of which was presented to the British Museum by Lord Aberdeen. The stone was found in the Temple of Nebo at Babylon, and is covered with cuneiform writing, the inscriptions giving accounts of Offerings and Restorations of the Temples effected by Esarhaddon, after his retirement from the throne, B.C. 670, size, 9 in. by $4\frac{1}{2}$ in.; a Rosewood Cabinet, fitted with drawers for Medallions; a late Celtic Bronze Spoon, found in a Turbury in Ireland; two Anglo-Saxon circular Gold Fibulæ, with raised decoration; four silver Anglo-Saxon Tags, with ornamentation in shape of grotesque animals; a portrait of Mr. Joseph Mayer by Daniels; presented by Mr. Joseph Mayer, F.S.A.

A collection of Greek, Roman, and modern European Coins and Medals, in gold, silver, and copper; presented by Mr. Baron L. Benas.

Portrait Medallions of Sir Hans Sloane and Dr. Woodward, in fawn-coloured jasper-ware of Wedgwood and Bentley; a Portrait Medallion of Klaproth, in red and black pottery, marked Wedgwood; presented by Mr. W. Bateson.

Four Coins from Cephalonia; collected and presented by Captain Caleb Brown.

A Quern from Annesley Bay; presented by Captain Burns.

Three Assegais from Durban, South Africa; presented by Mr. Henry Cuming.

A small Vase in Chelsea China, presented by Mr. M. I. Courtney.

A specimen of Egyptian Mummy Cloth, embroidered, 13 inches long; a Sepulchral Figure in blue porcelain; a Coptic Bronze Cross; a Porcelain Stud for inlaying; and a Terra Cotta Weight or Net Sinkers; presented by Rev. G. J. Chester.

A Copper Coin, found in Ceylon, inscribed Spî Mat Sâhasa Malla, A.D. 1205-1213; presented by Mr. H. P. Fry.

An Afghan War Knife from Kurrum Valley; presented by Major Foord.

A collection of 28 selected Carthaginian and Roman Coins, found at Cagliari, Sardinia; presented by Mr. J. Hargreaves.

A Tonda or Ivory Hairpin; two Necklets; a Belt of Beads for Women; a Slave Whip of Hippopotamus hide; a Chief's Stick of Ebony from Ashiras, West Africa; four Spears used in hunting the Hippopotamus and Lamantin; a Grass Mat; a Fetish Stick from the Byaka Country, Mayumba, West Africa; collected and presented by Mr. J. G. C. Harrison.

A "Stone Axe" or Celt; a "Skinning Stone" or Celt, and Arrow Heads from Iowa; presented by Mr. W. Hughes.

A Printed Catalogue of the Duke of Marlborough's collection of Gems, printed for private distribution; presented by Mr. N. Story Maskelyne.

Three fragments of Early English Pottery from Burslem; two Covers for red ware teapots, with engine lathe decoration, and a fragment of a brown and yellow Slip Ware Dish; presented by Mr. John Podmore.

A third Brass Coin of Crispus, son of Constantine the Great, recently found in Neston Churchyard, Cheshire; presented by Mrs. H. McK. Powell.

A First Brass of Antonius Pius, found in a Roman Wall at Hoyton Bridge, Northumberland, 1877; presented by Mr. James Raffles.

A Jug of Liverpool (?) Pottery, painted with flowers and bearing the inscription "John Baron, 1800," presented by Mr. H. B. Roberts.

A red, blue and Green worsted Scarf, decorated with white beads, North American Indian work; presented by Miss Snaith.

Three small Terra Cotta Figures of Deities, with inscriptions, from the Palace of Yung-Ming-Yung, Pekin; presented by Mr. W. H. Tapp.

A Third Brass Coin of Arcadius and one of Honorius; presented by Mr. Henry Theakstone.

A Stone Implement pierced with two holes, found at Fergus in Ontario, and presented by Mr. Charles Tobin.

A small Vase in red pottery, decorated with classical subjects in black outline, after the Ancient Greek Vases, and marked "Bishop's Waltham;" a Pedestal of same ware, subjects in red on black ground; and a piece of English Painted Pottery, representing Polito's Travelling Menagerie; presented by Mr. Henry Willett.

PURCHASES.

Nine Liverpool printed Tiles (5 in black 4 in red) with subjects from Æsop's Fables, and other sources.

A Cream Ware Jug, printed probably in Liverpool, with designs commemorating American Independence.

Three specimens of Pottery, viz., a small glazed Terra Cotta Vase, with the Three Graces, and similar to Wedgwood Ware.

A tea Canister in light coloured Staffordshire Pottery, green and yellow, with sword-shaped leaves, &c.

A Sauce Boat in early English salt glazed pottery, green, with patterns of leaves.

Eleven Persian or Rhodian Tiles, and one Rhodian Plate.

A Bowl and three Jugs of printed cream-coloured Pottery, probably of Liverpool manufacture.

A Dish of Italian Pottery; Seven Egyptian Antiquities; a Roman Bronze Stamp; Two Birds, in Ivory, Italo Greek, from Capua; and Two Silver Card Counters, temp. Chas. II.

Three Medallions in Wedgwood Ware, commemorative of the Wedgwood Exhibition at the Liverpool Art Club.

A large Amphora, from Cyprus.

A selection of 39 Photographs of Views in Egypt, and of Assyrian and other Antiquities.

The Model of a Man-of-War Ram (with glass case and stand).

DEPOSITED.

An Earthenware Capital of a Column from the Emperor's Palace, Yung-Ming-Yung, Peking; by Mr. W. H. Tapp.

Walker Art Gallery.

VISITORS.

THE Gallery has been open on 254 days during the year, and closed on 32 days for cleaning and rearrangement of the permanent collection. 551,138 persons have visited the Gallery during the year, being a daily average of 2,169. Of this number 72,093 paid for admission to the Autumn Exhibition of pictures, and 4,391 school children, specially invited to visit the Exhibition, are also included in the gross total of visitors.

Every effort has been made during the year to make the fullest display possible of the works of art belonging to the town, and with this view the beautiful series of *facsimiles* of works of sacred art known as the Arundel collection were specially framed and exhibited in illustration of the Florentine, Roman, and Flemish schools. To these were added a number of busts in marble and plaster of notable men which had hitherto been very imperfectly displayed in the Museum.

The Committee have added to the ornamental appearance of the building by laying out the ground in the areas with plants and gravel walks, and flower boxes have been placed in the windows, the work having been most tastefully carried out by Mr. Richardson, of the Botanic Gardens, and it is believed that the public have expressed pleasure and satisfaction at these endeavours to add to the cheerful appearance of the town.

The Committee, with a desire to assist in the promotion of a taste for art in other parts of the country, acceded to several requests for loans of paintings from the permanent collection, and the following were lent for limited periods:—

TO THE NOTTINGHAM ART MUSEUM—

“And When Did You Last See Your Father?” (Yeames.)

“Julian the Apostate Presiding at a Conference of Sectarians.”
(Armitage.)

TO THE DARWEN ART TREASURES' EXHIBITION—

“A Nautical Argument.” (Hemy.) “Snowdon, from Capel Curig.” (Finnie.) “The Hunted Slaves.” (Ansdell.)

The picture of "Eventide, a scene in the Westminster Union," by Mr. Herkomer, was exhibited (with the Committee's sanction) at the Paris Salon during the season.

PROPOSED ENLARGEMENT OF THE BUILDING.

The attention of the Council has been directed to the necessity of enlarging the accommodation by erecting additional galleries at the rear of the present building to afford suitable space for the permanent collection as well as for the Annual Exhibition of Pictures and for other purposes.

The Council evinced their appreciation of the necessity for increased accommodation by passing a resolution empowering the Committee to obtain plans and estimates for the proposed extension, and this subject will occupy their earnest attention.

During the mayoralty of Mr. T. B. Royden, the Gallery was used on several occasions for the purpose of entertaining various public bodies.

On May 1st, a luncheon was given in one of the lower rooms by His Worship the Mayor, to the members of the Council and others invited to assist at the opening of the Steble Fountain. On July 24th a *Conversazione* was given to the distinguished scientific delegates of the International Postal and Telegraph Convention. On Wednesday, September 24th, a similar entertainment was given by the Mayor to the members of the Iron and Steel Institute; and on October 8th, the Gallery and the Picton Reading Room and Museum were thrown open to the guests attending the Banquet given at St. George's Hall in honour of the Chairman of the Library, Museum, and Arts Committee.

AUTUMN EXHIBITION.

	1879.	1878.
Number of Pictures and other Works of Art exhibited	1,356	1,062
Number of Pictures sold	263	238
Amount realised by sales	£9,059 17 0	£7,340 7 0
Season Tickets	2,991 £566 7 6	2,734 528 14 6
Admissions at one shilling	30,332 1,516 12 0	39,297 1,964 17 0
Ditto sixpence	8,483 212 1 6	13,219 330 9 6
Ditto threepence	30,287 378 11 9	33,860 423 5 0
Catalogues sold	504 9 3	562 8 6
Commission on sales.	364 14 6	242 4 2
Amount received exclusive of sales	3,178 2 0	3,811 16 3

ADDITIONS TO THE PERMANENT COLLECTION.

PURCHASED—

Marble Bust, "Young Augustus," by John Gibson, R.A.

Water Colour, "Formby Mill, Harvest Time," by W. L. Kerry.

„ „ „Summer Time in the Highlands," by W. Small.

OIL PAINTINGS—

"On the Evening of the Battle of Waterloo," by E. Crofts, A.R.A.

* "The Old Man's Treasure," by Carl Gussow.

"Woman and Child," by Sir Godfrey Kneller.

DONATIONS—

Portrait of the late Thomas B. Horsfall, by Patten; presented by J. Campbell, Esq.

"The Struggle for Existence" (Oil), by Bouverie Goddard; presented by the Executors of the late Robert Carlyle.

"Students of Salamanca" (Oil), by John Phillip, R.A.; presented by Benson Rathbone, Esq.

"Elijah in the Wilderness" (Oil), by Sir F. Leighton, P.R.A.; presented by A. G. Kurtz, Esq.

Two Vases (*Terra Cotta*); presented by Messrs. Doulton & Co.

* This work was purchased with a portion of the sum of £1000, placed at the disposal of the Committee for the purchase of Works of Art, by Mr. J. A. Picton.

PRESENTED

15 JUL. 1898







TWENTY-EIGHTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY,
OF THE
CITY OF LIVERPOOL.



LIVERPOOL:
PRINTED BY HENRY GREENWOOD, 32, CASTLE STREET.

—
1881.

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COMMITTEE AND OFFICERS

FOR THE YEARS 1880-91.

Committee.

JAMES ALLANSON PICTON, F.S.A., CHAIRMAN.

ALDERMAN EDWARD SAMUELSON, DEPUTY-CHAIRMAN.

ALDERMAN WILLIAM B. FORWOOD, MAYOR.

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CHARLES TRICKS BOWRING.

STEWART HENRY BROWN.

ANDREW COMMINS, LL.D., M.P.

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WILLIAM CROSS, M.D.

GEORGE C. DOBELL.

ROBERT GALLOWAY.

S. LEIGH GREGSON.

REV. H. H. HIGGINS, M.A.

ROBERT D. HOLT.

WILLIAM J. LUNT.

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OWEN H. WILLIAMS.

Chief Librarian.

PETER COWELL.

Sub-Librarian.

THOMAS FORMBY.

Curator of the Museum.

THOMAS J. MOORE.

Curator of the Mayer Museum.

CHARLES T. GATTY.

Curator of the Walker Art Gallery.

CHARLES DYALL.

R E P O R T .

THE history of this institution has been one of continued progress from its commencement, nor has the last year fallen short in any department of its usefulness.

The opening of the Picton Reading Room has fully answered the expectations entertained of its usefulness. The old Reading Room of the Brown Library, which formerly accommodated the whole of the readers, is now appropriated to light literature and periodicals, and continues to be as crowded as heretofore; whilst the new Reading Room affords ample accommodation for the students of science, and literature of a higher class.

The electric light has been adopted in the Picton Reading Room with advantage, avoiding the injurious effects, both to the books and readers, of the fumes from the consumption of gas. It is probable that this will be ultimately applied in other portions of the building.

The Catalogue of the Reference Library was revised and condensed into one volume in the year 1870. Since that date three supplements have been printed. The inconvenience of having to search through such a number of volumes has decided the Committee to comprise all the works received since 1870 into a second volume, which will be about equal in size to the first, and will much facilitate the researches of readers.

The new Lecture Room or Rotunda, under the Reading Room, is in course of completion, and will probably be opened in the course of the year. This will give the much-needed additional accommodation for the attendance at the Winter Courses of Lectures, which have increased in popularity to such an extent that, in many cases, the audiences have been far greater than the Lecture Room could hold, and in others advantage has been taken of the Concert Room at St. George's Hall. The particulars are given below.

In the early part of the year an Exhibition of Pre-historic Antiquities and Ethnography was held under the auspices of a local Committee. Of this exhibition a large portion consisted of the Pre-historic Antiquities of

the Mayer Museum and the Ethnographical Collections acquired from time to time by this Committee.

The experiment was so successful that the Committee determined on the erection of an annexe behind the Walker Art Gallery, which is now in progress, for the better display of the permanent collection of Ethnographical objects.

The second part of the Catalogue of the Mayer Museum, including the Mediæval Antiquities and the Mather Collection of Miniatures, is in the press and will shortly be issued.

The Lending Libraries and the Museum call for no special remark except that their interest and usefulness, and the public appreciation, have been fully maintained.

The Walker Art Gallery has received a considerable impulse during the year. Fifteen pictures have been added during the year by donation and purchase, besides other works of art. With one exception (1875) the amount of pictures sold during the exhibition (£11,753) has been greater than in any former year.

On Sept. 3rd, 1880, the Statue of Sir A. B. Walker, executed in Marble by Mr. Warrington Wood, the expense of which was defrayed by a public subscription, was unveiled by the Mayor in the presence of Members of the Council and other leading citizens.

The following are the statistics of the several departments :—

REFERENCE LIBRARY.

TABLE I.—Showing the books issued during the year :—

Classification.	Volumes.	Daily Average.
Theology, Morals, &c.	18,786	67
Natural Philosophy, Astronomy, &c.	16,942	60
Natural History	6,601	24
Science and the Arts	29,949	107
History and Biography	24,311	87
Topography and Antiquities	6,140	22
Voyages and Travels	12,237	43
Miscellaneous Literature (principally collected Works, Magazines in volumes, &c.)	138,733	494
Jurisprudence, Law and Politics	4,800	17
Commerce, Political Economy and Statistics	2,989	11
Education and Language	7,073	25
Poetry and Dramatic Literature	13,732	49
Prose Fiction	263,933	938
Latin and Greek Classics and Translations	5,853	21
Heraldry, Encyclopædias and Works of Reference	25,693	92
Total.....	577,772	2,057

TABLE II.—Showing the issue of Quarterly and Monthly Magazines :—

Classification.	Magazines.	Daily Average.
Theology, Morals, &c.	1,486	5
Natural Philosophy, &c.	590	2
Natural History	501	2
Science and the Arts	1,594	6
Topography and Antiquities	532	2
Voyages and Travels	371	2
Miscellaneous Literature	59,535	211
Commerce, Political Economy, and Statistics	167	—
Education and Language	280	1
Total	65,056	231

TABLE III.—Showing the issue of Weekly Periodicals, &c. :—

Classification.	Periodicals.	Daily Average.
Natural Philosophy, &c.	2,516	9
Natural History	2,594	10
Science and the Arts	11,908	42
Miscellaneous Literature (principally illustrated and literary periodicals)	193,273	693
Law and Politics	721	3
Commerce, Statistics, &c.	963	3
Total	213,975	760

Total Patents for Inventions consulted, 13,913. Daily Average, 50.

RECAPITULATION OF TOTALS.

Volumes of Books	This Year	577,772	Last Year	516,527
Quarterly and Monthly Magazines ..	"	65,056	"	50,693
Weekly Periodicals	"	213,975	"	223,667
Patents Consulted	"	13,913	"	17,158
Grand Total		870,716		808,045

Besides the constant and unrestricted use of about two hundred volumes of Dictionaries and other works of reference, of which no statistics are taken.

TABLE IV.—Showing the number and classification of works added during the year :—

Classification.	Volumes Added.	Total No. in the Library.
Theology, Morals, &c.	200	5,760
Natural Philosophy, Astronomy, &c.	62	1,690
Natural History	157	4,038
Science and the Arts	297	8,601
History and Biography ..	241	9,643
Topography and Antiquities	160	3,568
Voyages and Travels	149	4,198
Miscellaneous Literature (principally collected Works, Magazines, &c.)	729	15,414
Jurisprudence, Law, and Politics	206	6,015
Commerce, Political Economy, and Statistics	57	835
Education and Language	67	1,207
Poetry and Dramatic Literature	28	3,171
Prose Fiction	73	5,355
Latin and Greek Classics and Translations	40	632
Heraldry, Encyclopædias, and Works of Reference	109	2,279
Total	2,575	72,406

The following is the list of Magazines and Periodicals illustrating
Tables II. and III. :—

QUARTERLY.

Annales des Sciences Naturelles
Anthropological Journal
Archæologia Cambrensis
Archæological Journal
British and Foreign Evangelical Review
British Quarterly Review
Calcutta Review
Church Quarterly Review
Dublin Review
Edinburgh Review
Grevillea
Ibis
Journal de Conchyliologie
Journal für Ornithologie
Journal of Anatomy
Journal of the British Archæological
Association
Journal of the Royal Agricultural Society
Journal of the Society of Antiquaries
Journal of the Statistical Society
London Quarterly Review
Mind
Modern Review
Navy List
Numismatic Chronicle and Journal
Popular Science Review
Quarterly Journal of the Geological
Society
Quarterly Journal of Microscopical
Science
Quarterly Review
Revue Celtique
Revue et Magasin de Zoologie
Stray Feathers
Sunday Review
Traethodydd
Westminster Review
Zeitschrift für Deutsche Philologie
Zeitschrift für Ethnologie

MONTHLY.

All the Year Round
American Naturalist
Annals and Magazine of Natural History
Antiquary
Argosy
Army List
Art Journal
Atlantic Monthly
Band of Hope Review
Banker's Magazine
Belgravia
Bibliothèque Universelle
Biograph
Blackwood's Magazine
British Temperance Advocate
Cassell's Magazine
Catholic Presbyterian
Chambers's Journal

MONTHLY—Continued.

China Review
Church Missionary Gleaner
Church Missionary Intelligencer
Church Missionary Juvenile Instructor
Clergyman's Magazine
Congregationalist
Contemporary Review
Continental Railway Guide
Cope's Tobacco Plant
Cornhill Magazine
Dabeim
Day of Days
Day of Rest
Dietetic Reformer
Ecclesiastical Observer
Educational Guide
Educational Times
Englishwoman's Review
Financial Reformer
Fireside
Florist and Pomologist
Fortnightly Review
Fraser's Magazine
Gazette des Beaux Arts
Gartenlaube
Gentleman's Magazine
Geological Magazine
Good Words
Hand and Heart
Home Words
Homœopathic World
Indian Antiquary
Intellectual Repository
International Review
Inventors' Record
Irish Temperance Record
Journal of Conchology
Journal of the Chemical Society
Journal of Horticulture
Journal of Science
Leisure Hour
Livre, Le
Local Gleanings
Local Trade Guide
Library Journal
London Society
Macmillan's Magazine
Magazine of Art
Mineralogical Magazine
Month
Monthly Microscopical Journal
Musical Times
Nautical Magazine
Nineteenth Century
North American Review
Orchestra
Petermann's Mittheilungen, &c.
Phonographic Reporter
Portfolio
Printer's Register

MONTHLY—*Continued.*

Printing Times
 Quiver
 Railway Guide
 Revue Archéologique
 Revue Britannique
 Revue Chrétienne
 Royal Geographical Society's Journal
 Science Gossip
 Scribner's Monthly
 Shorthand Magazine
 Spelling Reformer
 Stage
 Sunday at Home
 Sunday Magazine
 Temple Bar
 Theatre
 Tinsley's Magazine
 Truthseeker
 United Service Journal
 University Magazine
 Women's Suffrage Journal
 Yachting Magazine
 Zoologist

FORTNIGHTLY.

British and Colonial Printer and Stationer
 Gazette des Architectes
 Revue des Deux Mondes
 Unsere Zeit

WEEKLY.

Academy
 Alliance News
 Anti-Vivisectionist
 Architect
 Athenæum
 Argus
 Brewers' Guardian
 British Architect
 Broad Arrow
 Builder
 Builders' Weekly Reporter
 Building News
 Cambridge University Reporter
 Chemical News
 Chronique des Arts
 Civilian
 Colonies
 Comptes Rendus

WEEKLY—*Continued.*

Constructeur, Le
 Draper
 Economist
 Engineer
 Engineering
 English Mechanic
 Era
 Estates Gazette
 Examiner
 Field
 Fun
 Gardeners' Chronicle
 Graphic
 Illustrated London News
 Iron
 Jewish Chronicle
 Journal of Gaslighting, &c.
 Journal of the Society of Arts
 Judy
 Lancet
 Land and Water
 Lantern
 Law Times
 League Journal
 Liberal Review
 Local Government Chronicle
 London Gazette
 Mining Journal
 Nature
 Naval and Military Gazette
 Notes and Queries
 Oxford University Reporter
 Pharmaceutical Journal
 Pictorial World
 Porcupine
 Public Opinion
 Punch
 Railway Journal
 Saturday Review
 Scientific American
 Spectator
 Sydney Mail
 Temperance Record
 Truth
 Universal Engineer
 Volunteer Service Gazette
 Vanity Fair
 Weekly Notes
 World

DONORS AND DONATIONS.

The following donations have been received during the year :—

- AUDSLEY, G. A. (the Author):—Notes on Japanese Art.
- BALTIMORE, U. S. A., CITY CORPORATION:—Mayor's Message and Reports of the City Officers, 1878, 2 vols.
- BARBADO'S COLONIAL SECRETARY:—Barbado's Blue Book, 1878.
- BATH, THE MARQUIS OF (the Author):—Observations on Bulgarian Affairs.
- BEARD, REV. CHARLES, B.A.:—Monro, his Expedition with the Worthy Scots Regiment, 1637.
- BECKETT, T. W. NAYLOR:—Hall's Flora of Liverpool; Dickinson's Flora of Liverpool.
- BELL, H. T. N. (the Author):—The Keeping of the Vow.
- BIRDWOOD, G. C. M. (the Author):—The Industrial Arts of India.
- BIRKENHEAD LITERARY AND SCIENTIFIC SOCIETY:—Report, 1879-80.
- BIRKENHEAD TOWN COUNCIL:—Report on the Police Establishment.
- BIRMINGHAM LIBRARY:—Centenary, 1779-1879.
- BIRMINGHAM PHILOSOPHICAL SOCIETY:—Proceedings, vol. 1.
- BOSTON, U. S. A., CITY CORPORATION:—Auditor's Annual Reports, 2 vols.
- BOSTON, U. S. A., PUBLIC LIBRARY:—Bulletins.
- BOWES, J. L. (the Author):—Statistics relating to Wool and Sheep Skins, 1877-79; The Sheep Rot.
- BRITISH ASSOCIATION:—Report of the 49th Meeting, Sheffield.
- BRITISH MUSEUM TRUSTEES:—Catalogue of Oriental Coins, Vols. 4 and 5; Catalogue of Early Prints, Pt. 1; New Species of Hymenoptera; Facsimiles of Ancient Charters, Pt. 4; Illustrations of Coleoptera, Pt. 1; Typical Specimens of Lepidoptera Heterocera, Pts. 3 and 4.
- BROWN, J. CAMPBELL, D.Sc. (the Author):—Classification of the Chemical Elements.
- CAINE, T. H. HALL (the Author):—Politics and Art; The Supernatural Element in Poetry.
- CAMBRIDGE UNIVERSITY PRESS SYNDICATE:—Cambridge Local Lectures Calendar, 1875-80.
- CANADIAN GOVERNMENT:—Patent Office Record, 1879-80.
- CASTELLAIN, ALFRED, J.P.:—Journal of the Royal Agricultural Society, vol. 15, pt. 2, and vol. 16; Liverpool Philharmonic Concerts, Programmes, 1843-5.
- CENTRAL PARK MENAGERIE, NEW YORK:—Report of the Director.
- CHESSON, F. W.:—Ocean Telegraphy.
- CHICAGO PUBLIC LIBRARY:—Finding Lists
- CHLUDOW, E. (of Moscow), per REV. A. WISHAW:—The Bible, Slavonic Version.
- COBDEN CLUB:—English Land and English Landlords, by Brodrick; Financial Reform Almanac, 1880; Free Trade and English Commerce, by Mongredien; Western Farmer in America, by Mongredien.
- COCK, DAVID (the Author):—Treatise on China Clay.
- COOK, M.:—Late Troubles in England, 1681; The Kaleidoscope.
- CORNWALL POLYTECHNIC SOCIETY:—47th Annual Report.
- COWELL, P. (the Librarian):—Funeral Records of Liverpool Celebrities.
- DONALDSON, JAMES. (the Author):—Drawing, &c. for Marine Engineers.
- DOUGLAS, JOHN (the Author):—Abbey Square Sketch Book, vol. 2.
- DREWRY, THOMAS:—The Society of Friends in the 19th Century, by W. Hodgson, 2 vols.
- DUNKIN, EDWARD (the Author):—Obituary Notices of Astronomers.
- ELLACOMBE, REV. H. N. (the Author):—Plant Lore, &c. of Shakespere.
- EYRE AND SPOTTISWOODE, MESSRS. (the Publishers):—The Bible, with various Renderings and Readings.
- FISHER, J. H. (the Author):—Future of the Human Race.
- FORSTER, S. S., BLIND COLLEGE, WORCESTER:—16 vols. of Embossed Books for the Blind.
- GARNETT, ALEXANDER:—Legends and Myths of Guiana, by W. H. Brett.
- GATTY, C. T., F.S.A. (the Compiler):—Catalogue of Engraved Gems in the Collection of Joseph Mayer, F.S.A.
- GEDDES, D., LIBRARIAN, BLACKBURN FREE LIBRARY:—Allwedd Newydd, 2 copies.
- GIBBS, I. E. (the Author):—Essays on Biblical Subjects
- GIBSON, J. HARRIS (the Author):—British War Medals.
- GLADSTONE, PROFESSOR J. H., F.R.S. (the Author):—Spelling Reform.
- GORDON, R. (the Author):—Report on the Irrawaddy River, pts. 1-4.
- GRANDY, T. RICHARD:—The British Volunteer, by Major Walter.
- GREEN, S. S., LIBRARIAN, WORCESTER (MASS.) PUBLIC LIBRARY (the Author):—Sensational Fiction in Public Libraries.
- GURDEN, RICHARD L. (the Author):—Traverse Tables.
- GUTHRIE, MALCOLM (the Author):—Spencer's Formula of Evolution.

DONORS AND DONATIONS—(Continued.)

- HALL, H. T. (the Author):—Shakspeare's Plays.
- HANSON, GEORGE, LIBRARIAN, ROCHDALE FREE LIBRARY:—Bibliography of Rochdale, by Lieut.-Col. Fishwick.
- HARRISON, W. A. (the Author):—Manual of Physiography.
- HARVARD COLLEGE, CAMBRIDGE, U.S.A.:—Bulletins and Memoirs, 1879-80; Annual Report of the Curator, 1878-79.
- HENDERSON, A. LESLIE:—Lightning Conductors, by Richard Anderson.
- HIBBERT, JAMES (the Editor):—Materialistic Philosophy.
- HIGGINS, REV. H. H., M.A.:—Nomenclator Entomologicus.
- HISTORIC SOCIETY OF LANCASHIRE AND CHESHIRE:—Transactions, 3rd series, vol. 7.
- HODGES, FOSTER, AND FIGGIS, MESSRS. (the Publishers):—Dublin University Calendar, 1880.
- HOLDER, THOMAS, J.P.:—The Porcupine, 17 vols.
- HOLLINGSWORTH, MRS.:—New Testament, Grammar, and other Works in Chinese.
- HOWARD ASSOCIATION:—Report, 1880; County and Borough Prisons.
- HUGGINS, SAMUEL (the Author):—Decorations of St. Paul's Cathedral; The Proper Treatment of Ancient Edifices. (Unpublished MSS).
- HUNTER, ROBERT:—Six Essays on the Preservation of Commons, by various Authors; Preservation of Commons, by Robert Hunter.
- INDIA, THE SECRETARY OF STATE FOR:—Sacred Books of the East, 8 vols.
- INSTITUTE OF CIVIL ENGINEERS:—Minutes of Proceedings, vols. 58-62; Charter, &c. of the Institute.
- INSTITUTION OF MECHANICAL ENGINEERS:—Proceedings, 1879-80.
- JONES, MORRIS C. (the Author):—Feudal Barons of Powys.
- LENNARD, G. B.:—Memoir of the Rt. Hon. R. B. Sheridan, by John Watkins.
- LEWIN, WALTER:—Papers for the Times.
- LIBRARY REPORTS FROM THE FOLLOWING LIBRARIES:—Aston; Boston, U. S. A.; Brighton; Cambridge; Cardiff; Chester; Chicago, U.S.A.; Derby; Exeter; Germantown Friends, U.S.A.; Glasgow; Hereford; Leeds; Leicester; Manchester; Newport; Newton, Mass., U.S.A.; Norwich; Nottingham; Plymouth; Rochdale; St. Louis Public School, U.S.A.; Salford; San Francisco Mercantile, U.S.A.; Southampton; Stockport; Swansea; Victoria; Walsall; Wednesbury; West Bromwich; Westminster; Wolverhampton; Worcester, Mass., U.S.A.
- LIVERPOOL ARCHITECTURAL SOCIETY:—Proceedings, 1879-80.
- LIVERPOOL ART CLUB:—Catalogue of Exhibition of Water Colour Drawings.
- LIVERPOOL GEOLOGICAL SOCIETY:—Proceedings, 1879-80.
- LIVERPOOL INCORPORATED LAW SOCIETY:—Catalogue of the Library.
- LIVERPOOL LIBRARY (LYCEUM):—Annual Supplemental Catalogue.
- LIVERPOOL LITERARY AND PHILOSOPHICAL SOCIETY:—Proceedings, vol. 32.
- LIVERPOOL NATURALISTS' FIELD CLUB:—Proceedings, 1879-80.
- LIVERPOOL NUMISMATIC SOCIETY:—Journal, vol. 2, pt. 1.
- LIVERPOOL PHILOMATHIC SOCIETY:—Proceedings, 1879-80.
- LIVERPOOL POLYTECHNIC SOCIETY:—Journal, 1877-78, 2 vols.
- LIVERPOOL SCHOOL BOARD:—Proceedings, 1877-79, 2 vols.; Suggestions to Managers of Public Elementary Schools.
- LOCKHART, E.—Liverpool Election Squibs, 1761.
- LONDON CORPORATION:—Catalogue of the Guildhall Library, 15th suppl.
- McGOVERN, J. B.:—(the Translator), Graziella, by Lamartine.
- McQUIE, P. B.:—Excavations at Edge Hill, by James Stonehouse (unpublished MS.)
- MANCHESTER FREE PUBLIC LIBRARY:—Catalogue of the Rochdale Road Branch Lending Library.
- MANCHESTER GEOLOGICAL SOCIETY:—Transactions, 14 pts.
- MANCHESTER RUSKIN SOCIETY:—1st Report.
- MANCHESTER STATISTICAL SOCIETY:—Proceedings and Sundry Reports.
- MANCHESTER WOMAN'S SUFFRAGE SOCIETY:—13th Annual Report.
- MARRAT, F. P. (the Author):—Varieties of the Shells belonging to the Genus Nassa.
- MASON, THOMAS (the Author):—Free Libraries of Scotland.
- MULLINS, J. D., LIBRARIAN, BIRMINGHAM FREE LIBRARIES:—Consolations of Unitarianism; The Great Design of Christianity, by W. E. Channing.
- MUNICIPAL AND SANITARY ENGINEERS, &c., ASSOCIATION:—Proceedings, vols. 4 & 5.
- NASH, EDWIN (the Author):—Lecture on Pre-Adamite London.
- NEW YORK STATE MUSEUM OF NATURAL HISTORY:—Natural History of New York: Palæontology, 2 vols.; 28th-31st Annual Reports.
- NEWCASTLE-UPON-TYNE FREE LIBRARY:—Catalogue of Lending Library; Catalogue of Juvenile Department.
- NEW SOUTH WALES COLONIAL GOVERNMENT:—Financial Statement of the Treasurer, 1879.

DONORS AND DONATIONS—(Continued.)

- NEWTON, A. V. (the Author):—Patent Law and Practice.
- OWEN, REV. W. (the Author):—Sketches of Lago Maggiore, &c.
- PARIS, MUNICIPALITY OF:—Bulletin de Statistique Municipale, 1878-79.
- PATON, ALLAN P. (the Editor):—The Hamnet Shakspeare, vol. 1.
- PEABODY INSTITUTE, U.S.A.:—Annual Reports.
- PENZANCE PUBLIC LIBRARY:—Catalogue of the Halliwell Compartment.
- PHILADELPHIA ACADEMY OF NATURAL SCIENCES:—Proceedings, 1879.
- PICKERING, MRS. C.:—Chronological History of Plants, by Dr. C. Pickering.
- PITMAN, ISAAC:—Phonetic Journal, 1879; Hints on Lecturing, by H. Pitman; A Plea for Spelling Reform.
- POTTS, H. J. (the Author):—Notes on Shakespeare's Plays.
- PRESTON, EDWARD (the Author):—Unclaimed Money.
- PRESTON FREE LIBRARY:—Catalogue of the Lending Department.
- QUARITCH, BERNARD:—General Catalogue of Books, 1880.
- RAGGED SCHOOL UNION, LONDON:—Publications, 31 vols.
- RATHBONE, P. H., J.P.:—Poems by D. M. Gill.
- RAWLINSON, ROBERT, C.B.:—Correspondence relative to St. George's Hall, Liverpool, by H. Lonsdale Elmes and others; (unpublished MS.)
- READE, T. MELLARD (the Author):—Notes on the Scenery and Geology of Ireland; Problem for Irish Geologists; Oceans and Continents.
- ROGERS, REV. CHARLES, LL.D. (the Author):—The Serpent's Track.
- ROYAL ASTRONOMICAL SOCIETY:—Memoirs, 3 vols.; Monthly Notices, 1879-80.
- ROYAL COLONIAL INSTITUTE:—Proceedings, vol. 11.
- ROYAL DUBLIN SOCIETY:—Transactions and Proceedings, New Series, 1879-80.
- ROYAL INSTITUTE OF BRITISH ARCHITECTS:—Transactions, 1878-80; Proceedings, 1879-80.
- ROYAL SOCIETY OF LONDON:—Philosophical Transactions, vol. 171.
- ROYDS, ARTHUR:—Views of Ancient Buildings in Halifax, by Leyland; History of Oswestry, by Cathrall.
- ST. LOUIS PUBLIC SCHOOL LIBRARY.—Bulletins.
- SALFORD FREE LIBRARY AND MUSEUM:—Memorial Statues, &c., in Peel Park, Salford, by John Flant, F.G.S.
- SAMUELSON, JAMES:—Historical Sketch of Salem, Mass., by Osgood and Batchelder; History of the Art of Stenography, by Upham; Fifth Half-Century of the Landing of John Endicott at Salem; Photographs and Facsimiles of Documents connected with Trials, &c., for Witchcraft; Natural History of Montana, and nine other Pamphlets, by John A. Allen; Bulletins, &c., of the Essex Institute, Salem, Mass.
- SEYD, ERNEST (the Author):—Decline of Prosperity.
- SHARPE, WILLIAM, M.D. (the Author):—The Cause of Colour among Races.
- SHEFFIELD FREE LIBRARY:—Catalogue, 2 vols.
- SHIPLEY, REV. ORBY (the Author):—Truthfulness and Ritualism, 2nd Series.
- SHROPSHIRE ARCHEOLOGICAL, &c., SOCIETY:—Roman Shropshire, by W. T. Watkin.
- SMITH, MRS. (the Author):—Vida: Study of a Girl, by Amy Dunsmuir, 2 vols.
- SMITHSONIAN INSTITUTION, U.S.A.:—Miscellaneous Collections, vols. 16 and 17; Contributions to Knowledge, vol. 22; Annual Reports, 1878-79.
- SMYTH, NATHANIEL:—Liverpool Licensing Bill; Map showing Public Houses in Liverpool.
- SOCIETY OF ANTIQUARIES OF LONDON:—Proceedings, 1878-79.
- SOCIETY OF ANTIQUARIES OF SCOTLAND:—Proceedings, vol. 12, pt. 2, and vol. 13.
- SOUTH AUSTRALIAN INSTITUTE:—Addresses delivered at Foundation Stone Laying; Catalogue of the Library and Supplement; Annual Reports, 1860-80.
- SPAWTON, E. W. (the Author):—Night-winds, and other Poems.
- SPON, MESSRS. F. AND N. (the Publishers):—Engineers', &c., Illustrated Book of Prices, 1880.
- STOCKPORT FREE LIBRARY:—1st Supplemental Catalogue, Lending Department.
- STOLTERFOHT, J. N.:—Diodori Siculi Bibli. Hist. Lib. XV., 1578; Perry's Map of Liverpool, 1769.
- SUTTON, C. W., LIBRARIAN, MANCHESTER FREE LIBRARIES:—Report on Education in Liverpool.
- THOMAS, RALPH:—Few Words on Swimming, by R. Harrington; How the Parish of Debach borrowed £400.
- TINNE, J. A., J.P.:—Illustrated London News, vols. 74 and 75.
- TIREBUCK, WILLIAM (the Author):—William Daniels, Artist.
- TREVELYAN, SIR CHARLES (the Author):—The Irish Crisis.
- UNITED STATES GOVERNMENT, THROUGH VARIOUS DEPARTMENTS:—Astronomical Observations at U.S. Naval Observatory, 3 vols.; Subject Index to the Publications of the U.S. Naval Observatory; Hall's Second Expedition; Report on

DONORS AND DONATIONS—(Continued.)

- Henry Mountains; U.S. Coast Survey, 1874 and 1876; and 204 vols. and 234 pamphlets, being various other Government Publications.
- VACHER, F.:—Smallpox in Birkenhead, 1877, and others.
- VICTORIA, AGENT GENERAL FOR:—Statistical Register of Victoria, pts. 1-4; Geological Survey of Victoria, Report of Progress, vols. 5 and 6; Victorian Year Book, 1877-9, 2 vols.
- VICTORIA, REGISTRAR GENERAL FOR:—Victoria Patents and Patentees, vol. 10.
- VICTORIA, ROYAL SOCIETY OF:—Transactions, vols. 15 and 16.
- WALCH, MESSRS. J. AND SONS (the Publishers):—Walch's Tasmanian Almanac, 1880.
- WALES, UNIVERSITY COLLEGE OF:—Calendar, 1879-80.
- WATERHOUSE, HENRY:—St. John's Ambulance Association Report, 1880.
- WATHERSTON, E. J., F.S.S. (the Author):—A Few Words on Gems, &c.; Is Legislation necessary to the relief of Indian Finance? Our Railways; Taxation of Gold and Silver Plate.
- WIGAN FREE LIBRARY:—Catalogue of Works on Mining, by H. T. Folkard.
- WOMAN'S SUFFRAGE, NATIONAL SOCIETY FOR:—Annual Report, 1880.
- WRIGHT, W. H. K. (the Author):—Illustrated Handbook to Plymouth, &c.
- ZOOLOGICAL SOCIETY OF LONDON:—Transactions, 1879-80; Proceedings, 1879-80; List of Vertebrated Animals in the Gardens of the Society, 7th Edit. and 1st Suppt., 1879; Catalogue of the Library.

The following Periodicals, Newspapers, &c., have been presented regularly by the Publishers:—

- | | |
|---------------------------------------|------------------------------------|
| Alliance News | Homœopathic World |
| American Settler | Intellectual Repository |
| Anglo-American Times | Inventor's Record |
| Anti-Vivisectionist | Irish Temperance Banner |
| Brewers' Guardian | Journal of the Statistical Society |
| British Temperance Advocate | League Journal |
| Builders' Weekly Reporter | Liverpool Albion |
| Church Missionary Gleaner | „ Argus |
| Church Missionary Intelligencer | „ Courier |
| Church Missionary Juvenile Instructor | „ Echo |
| Clergyman's Magazine | „ Express |
| Colonies | „ Lantern |
| Congregationalist | „ Liberal Review |
| Cope's Tobacco Plant | „ Mail |
| Day of Days | „ Mercury |
| Dietetic Reformer | „ Porcupine |
| Draper | „ Post |
| Ecclesiastical Observer | Local Trade Guide |
| Educational Guide | Naval and Military Gazette |
| Englishwoman's Review | Spelling Reformer |
| Estates Gazette | Stage Directory |
| Examiner | Sunday Review |
| Financial Reformer | Sydney Mail |
| Fireside | Temperance Record |
| Hand and Heart | Woman's Suffrage Journal |
| Home Words | |

LENDING LIBRARIES.

TABLE I.—General Statistics :—

	This Year.			Last Year.		
	*North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Volumes lent	215,052	221,363	436,415	214,467	209,104	423,571
Tickets issued to New Readers..	2,646	2,641	5,287	2,514	2,519	5,024
Tickets renewed	2,346	2,344	4,690	2,319	2,284	4,603
Tickets cancelled	2,467	2,452	4,939	2,568	2,486	5,054
Total readers on the books	4,965	5,049	10,014	4,806	4,860	9,666
Books lost or injured, and paid for	35	31	66	27	36	63
Books lost	4	—	4	5	10	15
Volumes worn out—replaced....	664	710	1,374	824	879	1,703
Volumes worn out—withdrawn...	289	322	611	464	290	754
New volumes added	586	594	1,180	457	412	869
Total No. of vols. in the Libraries	21,338	21,947	43,285	21,041	21,675	42,716

* This Library was closed from July 12th to 26th for Stocktaking, &c.

TABLE II.—Classification of Volumes Lent and Added :—

	Volumes Lent.			Volumes Added.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Theology, Moral Philosophy, &c.	4,515	3,664	8,179	22	23	45
Nat. Philosophy and Mathematics	3,692	3,293	6,985	13	15	28
Natural History	2,347	2,607	4,954	21	20	41
Science and the Arts	8,509	9,000	*17,509	40	54	94
History and Biography	10,876	11,455	22,331	73	74	147
Topography and Antiquities	1,235	1,376	2,611	8	6	14
Geography, Voyages and Travels	6,102	5,679	11,781	35	27	62
Miscellaneous Literature	13,232	13,314	26,546	95	93	188
Jurisprudence, Law, and Politics	454	486	940	5	3	8
Commerce and Political Economy	711	811	1,522	12	9	21
Education, Languages, Logic, &c.	2,222	2,371	4,593	3	2	5
Poetry and the Drama	1,807	1,691	3,498	15	13	28
Prose Fiction	159,024	164,883	323,907	233	225	458
Latin and Greek Classics	281	368	649	—	6	6
Books for the Blind	45	365	410	11	24	35
TOTAL.....	215,052	221,363	436,415	586	594	1180

* Of this number 5,588 were vols. of vocal and instrumental music.

MUSEUM.

The Visitors to the Museum during the year have been as follows :—

	1880. 213 Days.	1879. 219 Days.	Decrease.	Increase.
Total Visitors in the year	415,122	416,156	1,034	
Weekly average.....	7,983	7,852		131
Daily average.....	1,948	1,900		48

The 18th of October, 1880, was the 19th anniversary of the opening of the Museum in the present building.

The total number of visitors during that time amounted to 8,249,420, giving a yearly average of 434,180.

DONATIONS.

A Shell, *Mytilus smaragdinus*, from Borneo ; presented by Mr. Frank Archer.

The Skull of a Dugong, from Singapore ; presented by Staff Surgeon Samuel Archer.

A Snake, from Parana ; presented by Dr. Ascher.

Nest of a Tree Wasp, from Heysham ; presented by Mr. Alderman Bennett.

The Distorted Vertebrae of a Codfish ; presented by Mr. E. Bidwell.

A Longicorn Beetle, *Lamia tricineta*, brought alive from Calcutta ; and a Black-headed Tragopan Pheasant ; presented by Mr. F. S. Bocquet.

The Cast Skin of a large Snake, from Fyzabad ; presented by the Rev. Thomas Carmichael.

A Skull of the Broad-nosed Bony Gar-pike, *Lepidosteus* ; presented by Mr. H. Cope, in exchange.

A specimen of Malachite ; presented by Mrs. Copleston.

A female Sparrow Hawk, shot at Irby ; presented by Mr. Muir Dowie.

The Egg of an Emu ; presented by Mrs. Francis.

A fine specimen (measuring 11 feet from tip to tip of claws) of the Giant Crab, *Macrocheira Kaempferi*, of De Haan, from the Japanese Seas ; obtained expressly for the Museum, and presented by Mr. James C. Fraser.

A Flamingo, *Phonicopterus*, from Tunis, and a King Penguin, *Aptenodytes Pennantii*, from Australia ; presented by Mr. Benjamin B. Gardner.

A specimen of rigid freshwater Sponge, from South America ; collected and presented by Dr. J. P. Garland.

Five specimens of Australian and Tasmanian Polyzoa of the Genus *Amathia*, mounted for the microscope ; presented by Miss Gatty, in exchange.

A remarkable specimen of freshwater Sponge, *Spongilla fluviatilis*, nearly 20 inches in length, from Rainhill ; collected and presented by Messrs. Charles and Francis Horace Longuet Higgins.

A Bottle of small Squids, from the Bay of Bengal ; collected and presented by Mr. Alfred H. Highton.

A Loggerhead Turtle ; presented by Mr. George Hulse.

A Bonelli's Eagle and ten other Birds, from Palestine ; a Scemmering's Pheasant, a Martin, and a Weasel, from Japan ; collected and presented by Mr. H. Heywood Jones.

Four Hawk's-bill Turtles ; presented by Mr. Joyce.

Five specimens of a Bird's Wing-Butterfly (*Ornithoptera aruana*) from New Guinea ; presented by the Rev. W. G. Lawes ; also, by the same Donor, a specimen of *Echidna Lawesi*, a Monotreme Mammal, lately discovered by him in New Guinea, the genus having previously only been known to exist in Australia and Tasmania.

Two fossil Shells, *Nautilus planis* and *Ammonite* : presented by Mr. L. Lees.

Two specimens of Graining, from the River Alt ; presented by the Liverpool Angling Association.

Two Eggs of the Black-throated Diver, *Colymbus arcticus*, from Loch Awe ; presented by Mr. A. S. Lowndes.

A Black Rat, *Mus rattus*, ex screw steamer "Lady Francis," Captain Henry Dew, January, 1880, original stock from Rangoon, Burmah (*vide* "Nature," vol. xix., p. 460) ; presented by Mr. Robert Morton Middleton, Jun.

Specimens of young Pike for the Aquaria ; presented by Mr. B. H. Molyneux.

Six specimens of Cat Fish, *Pimelodus*, from New York, for the Aquaria ; presented by Capt. J. H. Mortimer, ship "Hamilton Fish," Associate of the Literary and Philosophical Society of Liverpool.

A Northern Stone Crab, *Lithodes maia* ; presented by Messrs. Pratt and Ellis.

Four small Fossil Shells, *Orthis*, from the Wren's Nest, Dudley ; collected and presented by the Rev. W. Preston, M.A.

A Saw Fish, *Pristis*, from the Red Sea ; presented by Mr. D. Rae.

A sample of Sonorous Sand, from the Bay of Laig, Island of Eigg, N.B. ; collected and presented by Mr. Edward Rae.

Two fine Mineralogical specimens brought from Freiburg, Saxony, viz. :—Crystals of Sulphate of Baryta on Quartz and Fluor Spar ; and a Pseudomorph of Iron Pyrites after Calcite on Arsenical Pyrites ; presented by Mr. E. P. Rathbone.

Specimens of small Shells, chiefly *Cypræa*, from South Africa ; presented by Mr. Samuel Rinder.

The Cast of a Shell of the Genus *Cardium*, Upper Tertiary ; taken from a piece of ordinary stone at Bari, Italy, and presented by Mr. James Samuelson.

A specimen of *Trigonia navis*, and eight specimens of four other fossil Shells from the Lias and Trias of Westphalia ; presented by Dr. Schnitger, Detmold, in exchange.

Three specimens of *Fenestella plebeia*, McCoy, and one of *Fenestella nodulosa*, Phill., from the Carboniferous Limestone of Halkin Mountain ; named and presented by Mr. George W. Shrubsole, F.G.S.

Two specimens of *Anodon cygneus*, from Lake Bratish, a freshwater Lake near Galatz ; specimens of Pipe Fish, *Syngnathus*, found on the patent-log, off Algiers, also Corals and Shells ; collected and presented by Capt. C. A. Sibthorpe, Associate of the Literary and Philosophical Society of Liverpool.

A collection of Horns, &c., chiefly from South Africa, including Horns of Rhinoceros Keitloa, and of another species of Rhinoceros ; also Horns of the Cape Buffalo, Gemsbok, Koodoo, Springbok, &c. ; presented by the Rev. R. Wardlaw Thompson.

The Skull and principal Bones of a Male Gorilla, from Sette Camma ; presented by Mr. C. J. Townsend.

A young Seal from the Flannan Islands, and a hundred and twenty specimens of British Birds ; presented by Mr. T. West.

A collection of North American Fishes ; and a collection of Marine Invertebrates from the New England Coast ; named and classified ; presented, in exchange, by the United States Fish Commission, per Professor Spencer F. Baird, Secretary of the Smithsonian Institution, and U. S. Fish Commissioner.

A Common Ringed Snake, *Natrix torquata*, taken near Wigan ; presented by Mr. A. Wilkie.

PURCHASES.

The principal purchases for the Museum have been as follows :—

A Pluto Monkey ; four Yarkes, adult and young, from Ecuador ; a female Aoudad or Wild Sheep ; a female Ibex and kid, from Crete ; two Flying Opossums and a *Cuscus*, from New Guinea.

Three Birds of Paradise (*Paradisea Raggiana*, male and female, and *Paradisea atra*, female) ; a rare Pigeon (*Otidiphaps nobilis*, Gould) ; two D'Albertis's Crowned Pigeon and ten other Birds, from New Guinea ; a Case of Ruffs (*Machetes pugnax*) ; and specimens of Cariamia, Frigate Birds, Darters, and other Birds for Osteological purposes.

Skeletons of a Rattlesnake and of 16 species of Fish.

A series of Nests and Wood Cells formed by Ants and Bees, chiefly exotic, from the private collection of the late Frederick Smith, F.L.S., of the British Museum ; four boxes of Galls, together with the Insects by which they were formed ; from the same collection.

A series of original Dissections of Insects of the Orders *Hymenoptera*, *Lepidoptera*, and *Diptera*, made by the late John Curtis, F.L.S., for his great work on British Entomology.

A collection of about 100 species of Cirrhipeds.

A collection of Shells of the Genus *Nassa*, purchased from Mr. F. P. Marrat, comprising more than 1,000 varieties recorded by him in his paper on this Genus in the Proceedings of the Literary and Philosophical Society of Liverpool for 1879-80.

Specimens of *Fusus Berniciensis*, *Dentalium vernelei*, *Limneria caspica*, and 63 other specimens of Shells.

A specimen of *Cestum veneris*, or Venus's Girdle, and 17 other Zoophytes, in spirit, from Dr. Dohrn's Marine Zoological Station at Naples.

Specimens of *Stylaster gracilis*, from the South Seas, and two other Corals.

A large expanded specimen of Toilet Sponge, from Greece.

A Section of the Femur of *Iguanodon*, and 27 sections of Coal-plants for the Microscope.

24 specimens of 12 species of *Radiolites* ; 9 sections of Fossil Sponges (*Choanites*) ; an *Ammonites Lewesiensis* ; and a femur of a fossil Reptile (*Pliosaurus*).

Casts of Skulls and Jaws of *Diprotodon australis*, *Toxodon angustidens*, *Rhinoceros tichorhinus*, *Belodon kapfi*, and of other fossil remains.

FREE LECTURES.

The Fifteenth Winter Course of Free Lectures was delivered in the Lecture Hall of the Library in January, February, and March, 1880.

Total number of persons attending the 39 Lectures	16,344
Average per Lecture	419

LIST.

- The History of the English Coinage, with illustrations by the Oxyhydrogen Light, by Mr. Councillor J. A. Picton, J.P., F.S.A., Chairman of the Library, Museum, and Art Committee.
- The Lowest Forms of Life, by the Rev. H. H. Higgins, M.A.
- Birds and Flying Animals, by Dr. J. Birkbeck Nevins.
- The Writings of Charles Dickens, by Mr. J. Ashcroft Noble.
- Westminster Abbey, by the Rev. Samuel Pearson, M.A.
- A Journey through Moab in 1872, illustrated by the Oxyhydrogen Light, by Mr. R. C. Johnson.
- The Rise and Progress of the British Press, by the Rev. H. T. Howat, M.A.
- Chemical Action in Earth Sculpture, with chemical experiments (two lectures), by Mr. Norman Tate.
- Glaciers, their formation, motion, and their work in Nature, with illustrations by the Oxyhydrogen Light, by the Rev. T. A. Snow, M.A.
- Song and its Influence; and Musical Declamation, with vocal illustrations; (two lectures), by Mr. J. Veaco.
- Six Years in the Celestial Empire, by Dr. George Shearer.
- Humorous and Dramatic Recitals, from English and American Authors, by Mr. William Bennett.
- Horns of Beasts, Birds, Reptiles, and Fishes, their Growth and Structure, by Mr. Thomas J. Moore.
- Readings from Shakespere, &c., by Mr. Frederick Kempster, M.A.
- Thrift v. Thriftlessness, by the Rev. J. Henry Skewes.

- Navigation and Nautical Astronomy: and Winds and Weather ; (two lectures), by Mr. J. Gill.
- Wedgwood and his Works, by Mr. C. T. Gatty.
- Readings from Shakespere, &c., by Mr. Alexander Tough.
- An Evening with some Rare and Valuable Books from the Free Library, by Mr. Peter Cowell.
- Life in New Guinea, being Notes of a 'Three-years' Residence, by the Rev. W. G. Lawes.
- Giants of the Ancient World, illustrated by freehand drawing while lecturing, by Mr. B. Waterhouse Hawkins, F.G.S.
- Men who have got on, and the Lessons they teach, by the Rev. John Burbidge.
- A Ramble in Rome, with Dissolving Views, by Mr. B. L. Benas.
- How Party Government began in England, by Mr. James Birchall.
- The Men Liverpool has honoured with Statues, by Mr. B. Herdman Grindley.
- The Zulu War, Photographically illustrated, by Mr. Councillor J. A. Forrest.
- Dress and Cookery, the Fine Arts of Daily Life, by Mr. Councillor P. H. Rathbone.
- Reading and the Choice of Books, by the Rev. C. Beard.
- Idiosyncracies, by Mr. Charles Dyll.
- Recollections of Jerusalem, illustrated by the Oxyhydrogen Light, by Mr. Henry Duckworth, J.P.
- William Cobbett, by Mr. E. R. Russell.
- Phases of Old and New World Civilisation, by Mr. James Samuelson.
- The Weather and what affects it ; and Weather Charts and Storm Warnings ; (two lectures), by the Rev. John Gerard, S.J.
- Are there other inhabited Worlds besides our own ? The Evidence of Current Science. Illustrated by the Oxyhydrogen Light. By the Rev. W. H. Dallinger.

CAMBRIDGE UNIVERSITY LOCAL LECTURES AND EXAMINATIONS.

A Course of twelve lectures on English Prose Literature, from Hooker to Addison (1600-1720), has been delivered by the Rev. Alfred Caldecott, B.A. Camb., M.A. Lond., Fellow of St. John's College, Cambridge.

To these 650 tickets for the course have been issued.

Four experimental lectures on the "Chemical Elements of the Present Day, or the Materials of which the Earth is Composed," were delivered in the Small Concert-Room, St. George's Hall, by Dr. J. Campbell Brown, in continuation of his course last year on the same subject.

The admission to these was by tickets without charge. The attendance was very good.

Two lectures on Natural History subjects ("Spider Life" and "Jelly Fishes") were delivered in the same Room, by the Rev. J. G. Wood, M.A., F.L.S.

Three lectures on the "Curiosities of Criticism, 1800-1825," were delivered in the Lecture Hall, Free Library, during the month of November, by Mr. T. H. Hall Caine.

The Liverpool School of Science has had the use of rooms as in former years, and the following Courses of Lectures are being delivered in connection with the Department of Science and Art, South Kensington:—

Solid Geometry. By Mr. A. J. Briant.

Machine Construction. Do.

Building Construction. Do.

Agriculture. By Mr. C. F. Cooper.

Shorthand. By Mr. R. F. Finlay, in connection with the Society of Arts, London.

Examinations conducted under the management of the Universities of Oxford and Cambridge, and of the Civil Service Commissioners, have taken place as in former years.

The following Societies have also had the use of rooms:—The Amateur Photographic Society, the Liverpool Numismatic Society, the Student's Geological Society, and the Lancashire and Cheshire Entomological Society.

MAYER MUSEUM.

DONATIONS.

A collection of Weapons, &c., from Zululand, South Africa; collected and presented by Mr. J. M. Jones.

Chinese Sword; presented by Mr. Highton.

Six Greek Vases found at Athens, and a Roman Lamp found near Salonica; presented by Captain C. A. Sibthorpe.

African Dress; presented by Mr. J. H. Gibson.

A collection of Miniature Stoneware objects; made and presented by Messrs. J. Bourne and Sons, Denby Pottery, near Derby.

Bason and Cup and Saucer, of marked Newhall Pottery; presented by Dr. Lyon, of Hartford, U.S.

Pannier, from Holy Land; Rain Cloak, from China; Sieve, from Holy Land; Knout, from Russia; Wooden Female Fetish Figure, from West Africa; Cachelot tooth carved; Cast of a Drift Implement (the largest known), found at Shrub Hill (the original in the British Museum); Cast of a Drift Implement found in Babylonia (the original in the British Museum); thirty-nine Flint Implements from S. Acheul, Amiens; two Flint Cores and four Flakes, from Pressigny; presented by Mr. A. W. Franks, British Museum.

Five specimen of Fiji Pottery; presented by his Excellency Sir Arthur Gordon, Governor of Fiji (through Mr. Franks).

A Roll of White Tapa and a Tapa Printing-plate, from Fiji; presented by Mr. James Brant (through Mr. Franks).

Carved Elephant's Tusk, from Loango, West Africa; presented by Mr. R. D. Darbishire.

Scale for weighing Powder, taken at the capture of Fort Ali Musjid, and presented by Mr. G. Brown.

Carved Wooden Box and two Forks, made by the natives of Bôma, River Congo, West Africa, also a photograph of the natives of Bôma; presented by Mr. W. S. Stephen.

Twenty Bone Fish Spear Heads, from Patagonia; presented by Mr. F. Buckner.

A Plaited Grass-work Basket, containing spindle sticks with whorls attached, and specimens of Cotton, Slings, &c., also a large piece of Woven Material, two Bags and Nets, from Ancona, in Peru; presented by Captain A. Mackay.

Two Fetish Figures, from the West Coast of Africa; presented by Mr. R. D. Darbishire.

A collection of Ethnographical Specimens, from West Africa; presented by Mr. Townsend.

Statuette of Voltaire; presented by Messrs. Wedgwood.

Ethnographical Specimens, from South America; presented by Mr. R. Thornley.

Twenty-six German Playing Cards; presented by Mr. Alderman Samuelson.

Seven Assignates of the French Revolution (1792); presented by Mr P. H. Rathbone.

South African Ethnographical Specimens: presented by the Rev. Wardlaw Thompson.

Bowl of Painted Pottery, made by the natives of Guiana, and a Wooden Figure taken out from a considerable depth in the guano on the Macabi Islands, Peru; presented by Mr. A. W. Franks.

Whip of Manatee Hide, from West Coast of Africa; presented by Mr. R. B. N. Walker.

Impression from a Seal of Rivington Grammar School; presented by Mr. P. H. Rathbone.

Three Stone Implements, from Ballintoy, near Belfast; presented by Mr. F. Archer.

Bronze Medal of John Philip Kemble; presented by Mr. Wood.

Pair of Spectacles; presented by Mrs. Heath.

A collection of Esquimaux and South American Ethnographical objects; presented by Mr. Clements R. Markham, F.R.S., C.B.

Twenty-four Flint Implements, from Cissbury, and fourteen Fragments of Bones; presented by Mr. Ballard.

An Indian Stone Axe, found at Lunenburg, Pennsylvania; presented by Mr. S. D. Jennison, Wilmington, Delaware, U.S.

An Ancient British Stone Font, from the Island of Lewis; presented by Mr. T. West.

PURCHASES.

An Early English Plate, rudely painted with a portrait of King Edward VI.

Three specimens of Modern Japanese Enamel.

Seal, found at Hoylake.

Four Figures carved out of the roots of trees, from Foochow, China.

Silver Filigree Bird, from South America.

Bamboo Flute.

Two Plaited Bags and a Necklace of sperm whale teeth, from the Fiji Islands.

Australian Shield, Club, and two Wooden Axes, from the Pacific Islands.

Portrait of Guy Green, also his Paper Knife.

Parchment Deed.

Battersea Enamel Candlestick.

A Collection of Zulu Objects, &c.

Persian Wooden Spoon.

Full-length Figure of a Kingsmill Islander; Wooden Four-headed Deity; and a Wooden Mask, from West Africa.

Woods's Natural History of Man.

A Collection of Ethnographical Specimens, collected during the expedition of H.M.S. "Challenger."

Collection of Ethnographical Specimens, from New Guinea; collected by the Rev. W. G. Lawes.

Old English Halberd and Seal.

Two examples of Printed Cream Ware.

Specimen of Slip Ware, dated 1776.

Two Plaster Figures of Bosjesmans.

Slip Ware Money-Box and a Wax Agnus Dei.

Four Bronze Medals and a Brass Object.

Photographs of Ethnographical Objects.

Wedgwood Pink and White Candlestick.

Specimens of Japanese Cloth and the Bark from which the cloth is made.

Blue and White Vase; Mourning Ring; and uncertain object in glass, mounted in silver.

Three Japanese Ivory Nutsies ; Necklace of plaited human hair, from Polynesia.

A selection of Cream Ware Medallions, from Messrs. Wedgwood.

Four Medals of celebrated persons, from which Wedgwood took his portraits.

Nineteen Tiles, two Jugs, three Plates, and four Bowls, printed with Sadler's Transfers.

Several portions of one or more Antique Marble Sarcophagi, and a small Sarcophagus of probably recent Italian work, formerly in the Hooton Hall Collection.

Six Figures of Crown Derby China representing the Muses.

Chinese Sword ; and a collection of Ethnographical Specimens.

Chinese Ivory Tray.

WALKER ART GALLERY.

SINCE the date of the last report the Gallery has been open on 260 days and closed for 53 days for cleaning and the re-arrangement of the permanent pictures in the upper rooms.

610,779 persons have visited the gallery during the year, being a daily average of 2,349. Of this number 77,830 attended the Autumn Exhibition, and 6,820 school children, invited by the Committee, are included in the gross total.

Since the opening of the Art Gallery, permission to copy the works in the Permanent Collection has been granted to upwards of fifty Students, and on Fridays, the day set apart for the purpose, there has been an average attendance of fourteen.

AUTUMN EXHIBITION OF PICTURES.

	1880.	1879.
Number of Pictures and other Works of		
Art exhibited	1,081	1,356
Number of Pictures sold	271	267
Amount realised by sales.....	£11,753 7 6	£9,159 15 0
Season Tickets	2,672 499 16 0	2,991 566 7 6
Admissions at one shilling	28,991 1,449 11 0	30,332 1,516 12 0
Ditto sixpence	10,969 274 4 6	8,483 212 1 6
Ditto threepence.....	35,198 439 19 6	30,287 378 11 9
Catalogues sold	509 7 3	504 9 3
Commission on sales	544 3 3	364 16 0
Amount received exclusive of sales	3,172 18 3	3,178 2 0

The Autumn Exhibition has now completed the first decade of its existence, and the Committee are gratified with the success that has attended their efforts in this direction.

The following table will be read with interest by all concerned in the culture of Art:—

TABULATED STATEMENT OF ADMISSIONS, SALES OF PICTURES, &c., FOR TEN YEARS, FROM 1871-80.

Year.	ADMISSIONS.			Season Tickets.	Catalogues Sold.		Commission on Pictures Sold.	Miscellaneous Receipts.		Total Receipts.		Pictures Sold.	
	One Shilling.	Sixpence.	Threepence.		£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.	No.	£ s. d.	No.
1871	720 16 0	... ..	207 14 6	62 2 0	165 10 0	320 18 6	46 4 4	1,523 5 4	235	6,395 2 6			
1872	601 5 0	175 9 6	48 2 6	59 0 6	168 0 6	312 6 0	3 18 3	1,368 8 3	242	6,231 4 6			
1873	665 18 0	... ..	229 10 3	96 8 6	199 17 6	371 17 0	2 10 0	1,566 1 3	271	7,402 17 6			
1874	854 16 0	... ..	241 13 3	151 16 6	247 0 6	479 0 3	2 7 0	1,976 13 6	337	9,514 13 0			
1875	972 13 0	77 17 6	237 14 0	210 7 0	279 14 3	617 3 0	11 9 2	2,406 17 11	345	12,209 18 6			
1876	1,118 0 0	86 9 6	232 7 6	221 1 0	301 12 0	440 15 3	9 10 7	2,409 15 10	255	8,867 10 0			
1877	1,928 12 0	... ..	419 3 3	443 14 0	454 10 1	537 11 2	18 4 2	3,801 14 8	301	10,963 11 0			
1878	1,964 17 0	330 9 6	423 5 0	528 14 6	562 8 6	237 13 0	142 0 4	4,189 7 10	235	6,225 14 0			
1879	1,516 12 0	212 1 6	378 11 9	566 7 6	504 9 3	304 16 0	7 17 0	3,550 15 0	267	9,159 15 0			
1880	1,449 11 0	274 4 6	439 19 6	499 16 0	509 7 3	544 3 3	10 17 7	3,722 19 1	271	11,753 7 6			
Total	11,793 0 0	1,156 12 0	2,858 1 6	2,839 13 6	3,392 9 10	4,226 3 5	254 18 5	26,515 18 8	2768	88,813 13 6			

ADDITIONS TO THE PERMANENT COLLECTION.

PURCHASED—

Casts in Plaster—"David," "Apollo," "Perseus," "Hebe,"
"Diana," "The Laocoon," and busts of "Juno" and
"Hercules."

A Japanese Study from Nature—Birds and Palm Leaves carved in
ivory, tinted in natural colours and inlaid in wood.

ETCHINGS (for the use of Students)—

Three Volumes of Etchings, after Rembrandt, and Dalziels' Bible
Gallery—a collection of Engravings by eminent modern artists,
illustrating Bible History.

OIL PAINTINGS—

"One of the Family," by F. G. Cotman.

"The Village Lawyer," by Carl Schloesser.

"Down in the Reeds by the River," by Frank Walton.

"Blanchisseuses," by Miss Alice Havers.

"Moorland, Barmouth," by Albert Hartland.

"Sunday Morning," by J. Campbell Noble.

"The Ante-Chamber at Whitehall during the Last Moments of
Charles II.", by E. M. Ward, R.A.

"A Marine View," by R. Serres.

"A Village Festival," by John Molenaer.

The following were also purchased with the balance of the Picton
Fund:—

"Faithful," by C. E. Perugini.

"Footprints of War," by F. W. Lawson.

"Weal and Woe," by Charles Gregory.

"Table d'Hôte at a Dogs' Home," by J. C. Dollman.

WORKS PRESENTED.

OIL—

"Flower Sellers," by Gustave Doré; presented by Henry Thompson,
Jun., Esq.

WATER COLOUR—

"The Port of Shields," by C. Napier Hemy; presented by James
Harrison, Esq.

Four Bas-reliefs (terra cotta), illustrating incidents in the life of
the late Lord Derby; presented by Sir Thomas Edwards-Moss.

Oil—

“Fireworks at the Castle of St. Angelo, Rome, on Easter Monday;” presented by Robert Neilson, Esq.

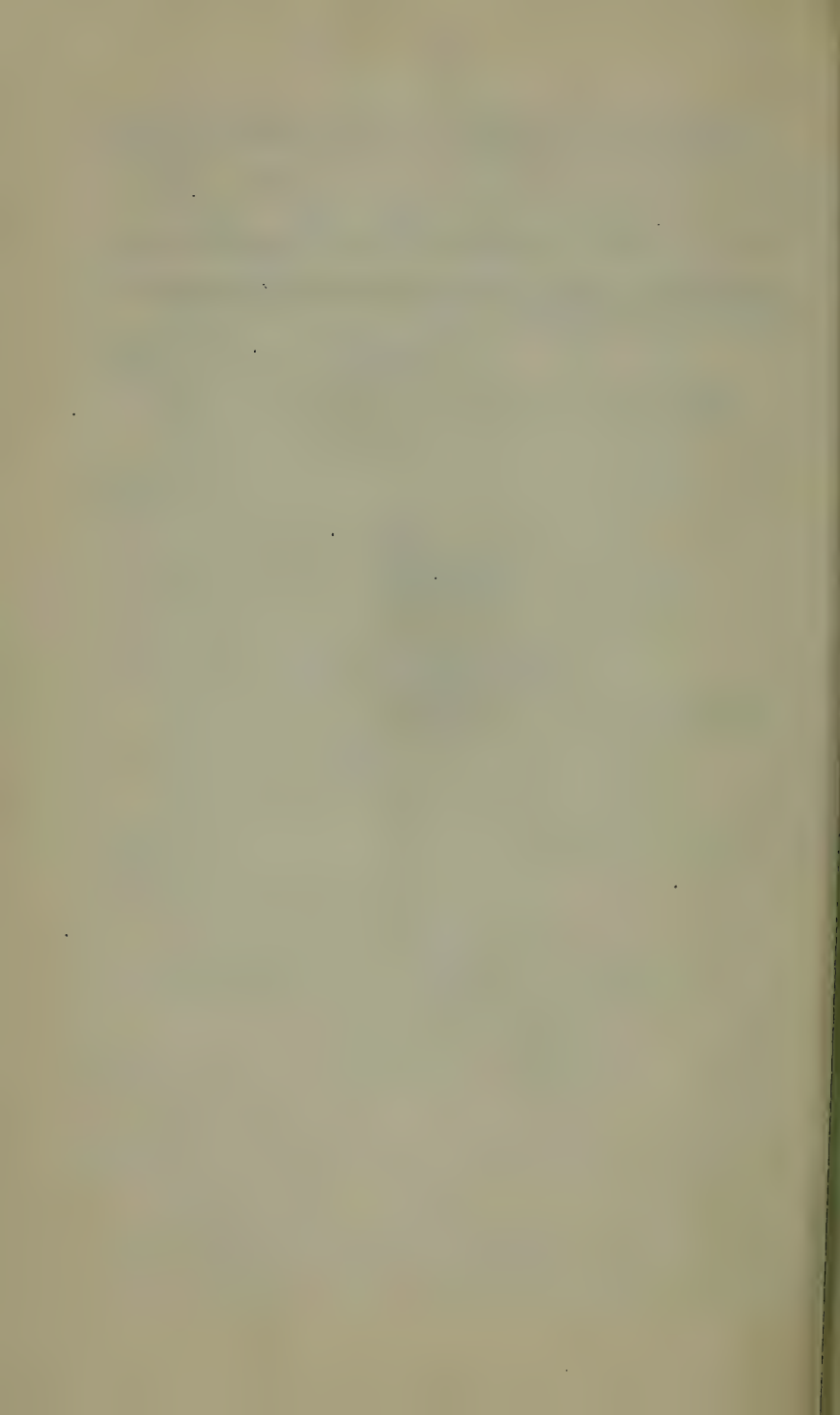
Burmese carved Screen; presented by Henry Thompson, Jun., Esq.

Six Magnifying Glasses, for inspecting pictures; presented by Messrs. Lewis and Brereton.

ED

15 JUL. 1898



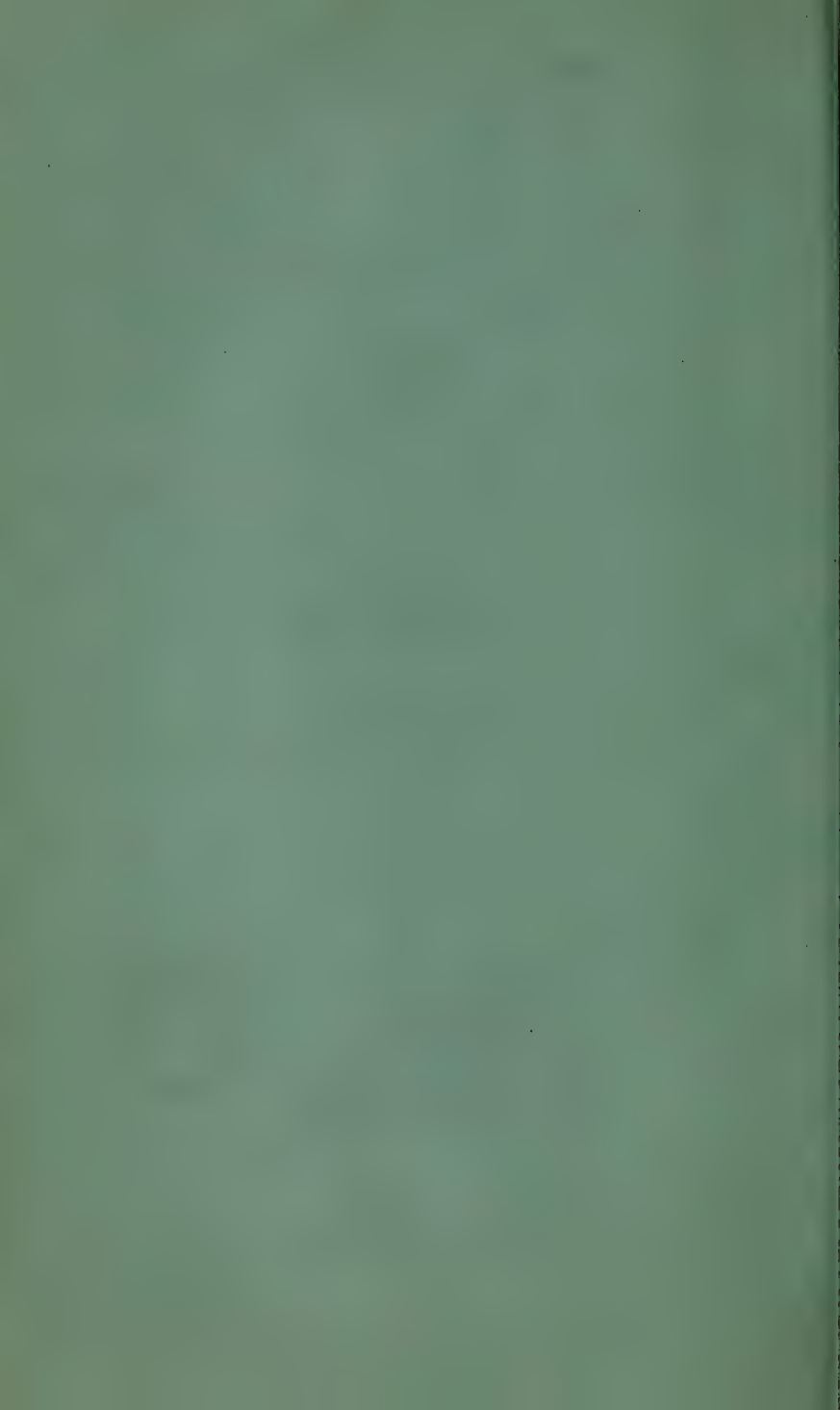




TWENTY-NINTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
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AND
WALKER ART GALLERY
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COMMITTEE AND OFFICERS

FOR THE YEARS 1881-82.

Committee.

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ALDERMAN EDWARD SAMUELSON, DEPUTY-CHAIRMAN.

JOHN HUGHES, MAYOR.

ANTHONY BOWER.

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Librarian.

HOWELL.

Treasurer.

AS FORMBY.

Curator of the Museum.

THOMAS J. MOORE.

Curator of the Mayer Museum.

CHARLES T. GATTY.

Curator of the Walker Art Gallery.

CHARLES DYALL.

R E P O R T .

THE Committee have pleasure in reporting that the several departments continue in a state of efficiency, and are fully appreciated by the public.

The statistics given below afford the information necessary to understand the working of the Institution and its results.

Several circumstances of interest have occurred during the year.

The New Rotunda Lecture Hall was opened on the 4th January. The result has exceeded the most sanguine anticipations. The Hall is calculated to contain 1,100 persons all comfortably seated, but on many occasions this number has been far exceeded; on several evenings nearly 2,000 have been packed within the area. The Hall has given general satisfaction, and promises to add materially to the usefulness of the Institution.

Plans have been prepared for the extension of the Walker Art Gallery, giving the additional space necessary to avoid the removal and replacing of the permanent Gallery pictures annually, during the exhibition. The cost of the new building will be about £12,000, towards which a grant of £6,000 has been made from the Corporate funds.

It will be seen from the notice below that the recent Exhibition has, with one exception to a trifling extent, been the most successful ever held.

The second volume of the Catalogue of the Reference Library has been issued, containing 703 pages, including all the works received during the ten years from 1871 to 1880. This has already been appreciated as a great boon to students. The work has been very carefully prepared by Mr. Cowell, the Chief Librarian, and his assistants, and contains a large fund of information besides the list of books.

The Annexe to the Walker Art Gallery mentioned in the Report for 1881, for the reception of the Ethnographical Collection, has been opened, and forms a very interesting department. The building will have to be removed to allow the erection of the new portion of the Art Gallery, but ample provision for the collection will be made in the new building.

The facilities given by the extensive range of buildings for public demonstrations have been availed of during the year. On Friday, July

2nd, the Committee invited the members of the Wesleyan Conference then assembled in the City to a *Conversazione*, when about 400 were present, including the Rev. Dr. Osborne, the President of the Conference, the Mayor and Members of the City Council.

On Thursday, November 3rd, the Mayor (Mr. W. B. Forwood) with Mrs. Forwood, held a reception in the Gallery, on which occasion about 800 persons were present, including the principal local Artists and many of the leading citizens.

The most important event connected with the Arts in this Institution during the year has been the purchase of the picture by Mr. Dante Rossetti, entitled "Dante's Dream." The picture has attracted great attention, and will add to the celebrity of the Gallery, which already contains many works of a very high class.

In the intervals between the exhibitions it has been usual to open to public view any private collections which might be available. During the past year about 200 drawings by Mr. Barker, of Trefriw, and Mr. Charles Green, of London, were so exhibited, and more recently a similar collection of the works of the late Henry Dawson have been on view.

The Lecture Season has been attended with great success. The particulars will be found below.

The following are the Statistics and other information in the several departments :—

REFERENCE LIBRARY.

TABLE 1.—Showing the books issued during the year :—

Classification.	Volumes.	Daily Average.
Theology, Morals, &c.....	18,072	64
Natural Philosophy, Astronomy, &c.	17,308	62
Natural History	6,499	23
Science and the Arts	28,581	102
History and Biography	22,574	81
Topography and Antiquities	6,244	22
Voyages and Travels	11,754	43
Miscellaneous Literature (principally collected Works, Magazines in Volumes, &c.)	113,348	407
Jurisprudence, Law, and Politics.....	3,924	14
Commerce, Political Economy, and Statistics	2,725	10
Education and Language	6,000	22
Poetry and Dramatic Literature	12,916	46
Prose Fiction	231,834	832
Latin and Greek Classics and Translations.....	4,214	15
Heraldry, Encyclopædias, and Works of Reference.....	26,645	96
Total	512,638	1,839

TABLE II.—Showing the issues of Quarterly and Monthly Magazines :—

Classification.	Magazines.	Daily Average.
Theology, Morals, &c.	1,317	4
Natural Philosophy, &c.	442	2
Natural History	468	2
Science and the Arts	1,366	5
Topography and Antiquities	460	2
Voyages and Travels	278	1
Miscellaneous Literature	59,503	213
Commerce, Political Economy, and Statistics	427	2
Education and Language	528	2
Total	64,789	233

TABLE III.—Showing the issue of Weekly Periodicals, &c. :—

Classification.	Periodicals.	Daily Average.
Natural Philosophy, &c.	3,249	12
Natural History	2,832	10
Science and the Arts	12,661	45
Miscellaneous Literature (principally illustrated and literary Periodicals)	216,151	776
Law and Politics	726	3
Commerce, Statistics, &c.	1,349	5
Total	236,968	851

Total Patents for Inventions consulted, 14,130. Daily Average, 51.

RECAPITULATION OF TOTALS.

	This Year	Last Year
Volumes of Books.....	512,638	577,772
Quarterly and Monthly Magazines ..	64,789	65,056
Weekly Periodicals.....	236,968	213,975
Patents Consulted	14,130	13,913
Grand Total	828,525	870,716

Besides the constant and unrestricted use of about two hundred volumes of Dictionaries and other works of reference, of which no statistics are taken.

TABLE IV.—Showing the number and classification of works added during the year :—

Classification.	Volumes Added.	Total No. in the Library.
Theology, Morals, &c.	220	5,980
Natural Philosophy, Astronomy, &c.	50	1,740
Natural History	129	4,167
Science and the Arts	204	8,805
History and Biography	179	9,920
Topography and Antiquities	114	3,682
Voyages and Travels	114	4,312
Miscellaneous Literature (principally collected Works, Magazines, &c.)	725	16,139
Jurisprudence, Law, and Politics	282	6,297
Commerce, Political Economy, &c.	52	887
Education and Language	41	1,248
Poetry and Dramatic Literature	107	3,278
Prose Fiction	34	5,343
Latin and Greek Classics and Translations	43	675
Heraldry, Encyclopædias, and Works of Reference	78	2,357
Total	2,372	74,830

The following is the list of Magazines and Periodicals illustrating Tables II. and III. :—

QUARTERLY.

Annales des Sciences Naturelles
 Anthropological Journal
 Archæologia Cambrensis
 Archæological Journal
 British and Foreign Evangelical Review
 British Quarterly Review
 Calcutta Review
 Church Quarterly Review
 Dublin Review
 Edinburgh Review
 Grevillea
 Ibis
 Journal de Conchyliologie
 Journal für Ornithologie
 Journal of Anatomy
 Journal of the British Archæological Association
 Journal of the Royal Agricultural Society
 Journal of the Society of Antiquaries
 Journal of the Statistical Society
 London Quarterly Review
 Mind
 Modern Review
 Navy List
 Numismatic Chronicle and Journal
 Popular Science Review
 Quarterly Journal of the Geological Society
 Quarterly Journal of Microscopical Science
 Quarterly Review
 Revue Celtique
 Revue et Magasin de Zoologie
 Stray Feathers
 Sunday Review
 Traethodydd
 Westminster Review
 Zeitschrift für Deutsche Philologie
 Zeitschrift für Ethnologie

MONTHLY.

All the Year Round
 American Naturalist
 Annals and Magazine of Natural History
 Antiquary
 Argosy
 Army List
 Art Journal
 Atlantic Monthly
 Band of Hope Review
 Banker's Magazine
 Belgravia
 Bibliothèque Universelle
 Biograph
 Blackwood's Magazine
 British Temperance Advocate
 Cambridge Examiner
 Cassell's Magazine
 Catholic Presbyterian

Century Magazine
 Chambers's Journal
 China Review
 Church Missionary Gleaner
 Church Missionary Intelligencer
 Church Missionary Juvenile Instructor
 Clergyman's Magazine
 Congregationalist
 Contemporary Review
 Cornhill Magazine
 Daheim
 Day of Days
 Day of Rest
 Dietetic Reformer
 Ecclesiastical Observer
 Educational Guide
 Educational Times
 Englishwoman's Review
 Financial Reformer
 Fireside
 Florist and Pomologist
 Fortnightly Review
 Fraser's Magazine
 Gazette Archéologique
 Gazette des Beaux-Arts
 Gartenlaube
 Gentleman's Magazine
 Geological Magazine
 Good Words
 Hand and Heart
 Harper's Magazine
 Home Words
 Homœopathic World
 Indian Antiquary
 Intellectual Repository
 International Review
 Inventors' Record
 Irish Temperance Banner
 Journal of Conchology
 Journal of the Chemical Society
 Journal of Horticulture
 Journal of Science
 Leisure Hour
 Library Journal
 Livre, Le
 London Society
 Macmillan's Magazine
 Magazine of Art
 Mineralogical Magazine
 Month
 Musical Times
 Nautical Magazine
 Nineteenth Century
 North American Review
 Orchestra
 Palatine Note Book
 Petermann's Mittheilungen
 Portfolio
 Printer's Register
 Printing Times
 Quiver

MONTHLY—*Continued.*

Railway Guide
 Revue Archéologique
 Revue Britannique
 Revue Chrétienne
 Royal Astronomical Society's Monthly Notices
 Royal Geographical Society's Journal
 Sanitary Engineering
 Science Gossip
 Shorthand Magazine
 Spelling Reformer
 Sunday at Home
 Sunday Magazine
 Temple Bar
 Theatre
 Tinsley's Magazine
 Tonic Sol-fa Reporter
 Truthseeker
 United Service Magazine
 Women's Suffrage Journal
 Yachting Magazine
 Zoologist
 Zoophilist

FORTNIGHTLY.

Annalen der Physik
 British and Colonial Printer and Stationer
 Dinger's Polytechnisches Journal
 Gazette des Architectes
 Intermédiare
 Liebig's Annalen der Chemie
 Revue des Deux Mondes
 Unsere Zeit

WEEKLY.

Academy
 Alliance News
 American Settler
 Anglo-American Times
 Architect
 Athenæum
 Brewers' Guardian
 British Architect
 Broad Arrow
 Builder
 Builders' Weekly Reporter
 Building News
 Cambridge University Reporter
 Chemical News
 Chronique des Arts
 Civilian
 Colonies

WEEKLY—*Continued.*

Comptes Rendus
 Draper
 Economist
 Engineer
 Engineering
 English Mechanic
 Entr'acte
 Era
 Estates Gazette
 Field
 Fun
 Gardeners' Chronicle
 Graphic
 Illustrated London News
 Iron
 Iron and Coal Trades Review
 Jewish Chronicle
 Journal of Gaslighting, &c.
 Journal of the Society of Arts
 Judy
 Knowledge
 Lancet
 Land and Water
 Lantern
 Law Times
 League Journal
 Liberal Review
 Local Government Chronicle
 London Gazette
 Mining Journal
 Musical and Dramatic World
 Nature
 Naval and Military Gazette
 Notes and Queries
 Oxford University Gazette
 Pharmaceutical Journal
 Pictorial World
 Porcupine
 Public Opinion
 Punch
 Railway Journal
 Saturday Review
 Scientific American
 Spectator
 Sydney Mail
 Temperance Record
 Truth
 Volunteer Service Gazette
 Vanity Fair
 Weekly Notes
 Weekly Register
 World

DONATIONS.

The following donations have been received during the year :—

- ABERDEEN MECHANICS' INSTITUTION :—Handbook, 1881-82 ; Report, 1880-81.
- ANDERSON'S COLLEGE, GLASGOW :—Calendar, 1880-81.
- BARBADOS COLONIAL SECRETARY :—Barbados Blue Book, 1879.
- BARKER, MAJOR (the Compiler) :—Birkenhead Police Report, 1881.
- BARR, DR. JAMES (the Editor) :—Liverpool Medico-Chirurgical Journal, No. 1.
- BEGG, PETER :—The Adhesive Stamp, by P. Chalmers ; The Penny Postage Scheme of 1837, by P. Chalmers.
- BELOE, CHARLES H. :—Annual Report of the United States Life Saving Service, 1880.
- BIGGS, MRS. :—Vivisection Considered, by James Macaulay and others (2 Copies) ; A Plea for Mercy to Animals, by James Macaulay (3 Copies).
- BIGGS, W. W. (the Author) :—Conservatism of Liverpool, by "Vindex."
- BIRKENHEAD LITERARY SOCIETY :—Report, 1880-81.
- BIRMINGHAM PHILOSOPHICAL SOCIETY :—Proceedings, Vol. 2.
- BOSTON (U. S. A.) ATHENÆUM LIBRARY :—Catalogue, Compiled by C. A. Cutter (pp. 2315-3004).
- BOSTON (U. S. A.) PUBLIC LIBRARY :—Bulletin, Nos. 56-59.
- BOULT, JOSEPH :—Description of the Sea-Coast of England and Wales, with Charts, by Fearon and Eyes ; Minute-Books and other Papers and Pamphlets relating to the Roscoe Club, Liverpool ; Liverpool Trade-Lists ; Outlines and Sketches, by C. Allston ; and numerous other Volumes and Pamphlets, chiefly Local.
- BOULT, MISS :—Liverpool Mercury, 1818-1820 ; Life of Richard Wilson, R. A. ; and 19 other Volumes.
- BREWER, CHARLES :—Liverpool General Review, 1853.
- BRIDGEMAN, REV. THE HON. G. T. O. (the Author) :—History of the Princes of South Wales.
- BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE :—Report, Swansea Meeting, 1880.
- BRITISH MUSEUM TRUSTEES :—Catalogue of Birds, Vol. 5 ; Catalogue of Oriental Coins, Vol. 6 ; Illustrations of Lepidoptera Heterocera, Pt. 5.
- BYRNE, P., ONTARIO GOVERNMENT AGENT, LIVERPOOL :—Report of the Ontario Agricultural Commission, 2 vols.
- CAMBRIDGE FREE LIBRARY :—Catalogue of Books, Reference Department, Pt. 2.
- CARRIE, JOHN (the Author) :—Ancient Things in Angus.
- CARSON, P. M. :—Some Observations on Astronomy, Geology, and Meteorology, by James Carson, M. D., F. R. S. (Inedited MS.)
- CARTER, HENRY J., M. D., F. R. S. (the Author) :—Geological Papers on Western India, with Atlas, 2 Vols. ; Geographical Description of Certain Parts of the S. E. Coast of Arabia.
- CASTELLAIN, ALFRED, J. P. :—Journal of the Royal Agricultural Society, Vol. 17, Pt. 1.
- CINCINNATI PUBLIC LIBRARY :—Bulletins, 1879-80, 2 vols.
- CODDEN CLUB :—Financial Reform Almanack, 1881 ; The Reciprocity Craze, by G. W. Medley ; Imports, Exports, and the French Treaty, by J. K. Cross ; Free Trade and Tariffs, by John Slagg, M. P. ; The French Treaty and Reciprocity, by Rt. Hon. Joseph Chamberlain, M. P. ; Systems of Land Tenure, Edited by J. W. Probyn ; History of the Free Trade Movement, by A. Mongredien.
- COLE, JOHN :—Saint Augustine : a Poem, by H. W. Cole (3 Copies).
- CONDER, G. A. :—The Advance of Popery, by J. C. Philpot.
- COX, REV. J. B., M. A. :—Monthly Papers, Jan.-April, 1881.
- DAVIES, REV. E. T. (the Author) :—Cydymaith y Cymro.
- DAWBARN, WILLIAM :—The Eccentric Club.
- DODDS, JOHN :—Report upon the Thames and Isis.
- DOVETON, F. B. (the Author) :—Snatches of Song.
- DUNCAN, P. M., AND W. P. SLADEN (the Authors) :—The Echinodermata of the Arctic Seas.
- ENGINEERS, THE SOCIETY OF :—Transactions, 1861-80 (19 vols.).
- ENTOMOLOGICAL SOCIETY OF LONDON :—Observations on the *Athalia Centifolia*.
- FINANCIAL REFORM ASSOCIATION :—Financial Reform Almanack, 1881.
- FOREST, JAMES A. :—A Collection of Reports and Pamphlets on the Liverpool Water Supply.
- FULTON, R. E. (the Publisher) :—Commercial Directory and Shippers' Guide, 1881.
- GALT, SIR A. T. :—What Farmers say of the Canadian North-West.
- GREENSTREET, JAMES, AND CHAS. RUSSELL (the Authors) :—Reference List of Rolls of Arms.

DONATIONS—(Continued.)

- GREY, HENRY** (the Author):—Classics for the Million.
- HARVARD UNIVERSITY, U. S. A.**:—Museum of Comparative Zoology; Bulletins, Vol. 8, Nos. 1-14; Memoirs, Vol. 8, No. 1; Annual Report of Curator, 1879-80; Library Bulletins, Nos. 17-20; 3rd Report of Justin Winsor; Bibliographical Contributions, No. 12.
- HEDLEY, WILLIAM**:—The Model Locomotive Engineer. &c., by M. Reynolds.
- HIBBERT, ALDERMAN JAMES** (the Compiler):—Notes on Free Public Libraries and Museums.
- HIGGINS, REV. H. H., M. A.**:—Florule Bryologique de la Réunion, par E. Bescherelle; Journal of the Royal Society of N. S. Wales, Vol. 13; Geological Survey of Newfoundland, by Alexander Murray, and others.
- HINDE, WILLIAM**:—Thou's History of his own Time.
- HISTORIC SOCIETY OF LANCASHIRE AND CHESHIRE**:—Transactions, Vol. 32.
- HODGES, FIGGIS, & Co.** (the Publishers):—Dublin University Calendar, 1881.
- INCORPORATED LAW SOCIETY**:—Calendar, 1881.
- INDIA, THE SECRETARY OF STATE FOR**:—Sacred Books of the East, Vols. 10 & 11.
- INSTITUTE OF CIVIL ENGINEERS**:—Minutes of Proceedings, Vols. 63-66; Regulations and List of Members; Subject Index to Vols. 1-58.
- INSTITUTION OF MECHANICAL ENGINEERS**:—Proceedings, Oct., 1880—July, 1881; Library Catalogue; Subject Index of Papers, 1847-80.
- IRISH LAND COMMITTEE**:—Eight Pamphlets on the Irish Land Question.
- JONES, HORACE, F. R. I. B. A.** (the Author):—Short Notice of the Metropolitan Markets.
- KEITH, WILLIAM**:—Photographs of Scenes in Liverpool during Royal Visit, 1881.
- KERSLAKE, THOMAS** (the Author):—Caer Pensauelcort.
- LEIGNANO, LA PRINCESSE DE** (the Author):—Les constitutions de tous les pays civilisés.
- LIBRARY REPORTS** from the following Libraries:—Manor of Aston, Birkenhead, Birmingham, Bolton, Boston (U.S.A.), Cambridge, Chicago, Cincinnati, Clitheroe, Copenhagen Royal Library, Derby, Dundee, Germantown Friends, Glasgow, Hereford, Manchester, Middlesbrough, New York Astor, New York Mercantile, Newtown, Plymouth, Preston, Rochdale, Salford, San Francisco Mercantile, Sheffield, Southport, Stockport, Swansea, West Bromwich, Westminster, Wolverhampton, Wigan, Worcester, Mass. (U.S.A.)
- LIVERPOOL ART CLUB**:—Caricature Exhibition Catalogue.
- LIVERPOOL ENGINEERING SOCIETY**:—Proceedings, Vol. 1.
- LIVERPOOL GEOLOGICAL SOCIETY**:—Proceedings, 1880-81.
- LIVERPOOL INSTITUTIONS, &c.**:—Reports have been received from the following: Auxiliary to Army Scripture Readers', &c. Society, Auxiliary Bible Society, Blue Coat Hospital, Catholic Reformatory Association, Central Relief, &c. Society, Clerks' Association, Holy Trinity Ragged School, Horticultural Association, Juvenile Reformatory Association, Kirkdale Industrial Ragged School, Mercantile Marine Service Association, Preventive Home, Ragged School Union, Royal Society for Prevention of Cruelty to Animals, Sailors' Homes, Savings Bank, &c., School for Deaf and Dumb, School of Science, Seamen's Orphan Institution, Shipwreck and Humane Society, Sunday School Union, Training Ship "Indefatigable."
- LIVERPOOL LITERARY AND PHILOSOPHICAL SOCIETY**:—Proceedings; Vol. 34.
- LIVERPOOL (LYCEUM) LIBRARY**:—Annual Supplemental Catalogue, 1881.
- LIVERPOOL NATURALIST'S FIELD CLUB**:—Proceedings, 1880-81.
- LIVERPOOL PHILOMATHIC SOCIETY**:—Proceedings, 1860-80 (19 vols.).
- LIVERPOOL SCHOOL BOARD**:—Proceedings, 1879-80.
- MCCOSH, JOHN** (the Author):—Grand Tours in many Lands: a Poem.
- MACFEE, R. A.** (the Author):—Literary Copyright; Cries in a Crisis.
- McLINTOCK, R.** (the Translator):—A Trip to the Brocken, by Heinrich Heine.
- MADELEY, CHARLES**:—Proverbs of Solomon, by George Holden.
- MANCHESTER GEOLOGICAL SOCIETY**:—Transactions, Vol. 16, Pts. 1-10.
- MANCHESTER NATIONAL SOCIETY FOR WOMEN'S SUFFRAGE**:—14th Annual Report.
- MANCHESTER STATISTICAL SOCIETY**:—Proceedings, 1880-81.
- MARRAT, F. P.**:—Liverpool Naturalists' Scrap Book; A Naturalist's Calendar, by Rev. G. White; Catalogue of Plants in Liverpool Botanic Gardens, 1808; Philosophical Letters of John Ray; Systematical Arrangement of the Animal Kingdom; Varieties of the Genus Nassa, by F. P. Marrat, and other Pamphlets.
- MINNESOTA, UNIVERSITY OF**:—Geological, &c., Survey of Minnesota, Eighth Annual Report.
- MORTON, G. H., F. G. S.** (the Author):—Geology of the Country around Liverpool,

DONATIONS—(Continued.)

- NATIONAL ASSOCIATION FOR THE PROMOTION OF SOCIAL SCIENCE :—Transactions : Manchester, 1879 ; Edinburgh, 1880.
- NATIONAL SOCIETY FOR WOMEN'S SUFFRAGE :—Words of Weight on the Woman Question ; Woman's Claim, by Emily Pfeiffer ; Annual Report, 1881.
- NEVINS, J. BIRKBECK, M.D. (the Author) :—The Translation of the Authorised Version.
- NEW SOUTH WALES, AGENT GENERAL FOR :—Annual Report of the Department of Mines 1879-1880 ; Financial Statement of the Colonial Treasurer ; "Earl Dalhousie" Gazette ; Report on Crown Lands, with Maps ; Speech on Immigration by Sir H. Parkes ; and other Papers relating to New South Wales.
- NORWEGIAN GOVERNMENT :—Norwegian North Atlantic Expedition, Pts. 1-3.
- OSBORN, REV. G., D.D. (the Author) :—Outlines of Wesleyan Bibliography.
- PACKARD, HON. S. B., U.S. CONSUL, LIVERPOOL :—Reports from the Consuls of the U.S. on the Commerce, &c., of their Consular Districts, Nos. 1-11.
- PARIS, MUNICIPALITY OF :—Bulletin Recapitulatif de Statistique Municipale, 1878 et 1879.
- PEABODY INSTITUTE, BALTIMORE, U.S.A. :—14th Annual Report.
- PHILLIPSON AND GOLDER (Publishers) :—Chester Diocesan Calendar, &c., 1881.
- PILKINGTON, LIEUT.-COL. J. :—The Bondage of the Will, by Martin Luther ; Colloquia Mensalia, or Familiar Discourses by Martin Luther, 2 vols ; The National Rifle Association by J. R. MacDonnell ; Proceedings, &c., of the 15th Lancashire R.V. ; Report of Liverpool Art Club, 1872-3.
- PITMAN, ISAAC :—Phonetic Journal, 1880.
- READE, T. MELLARD (the Author) :—The Last Change of Level in Lancashire ; Notes on the Southern Drift of England and Wales.
- REYNOLDS, R. S. (the Author) :—Essay on the Breeding and Management of Cart Horses.
- RICHMOND FREE PUBLIC LIBRARY :—Catalogue, 1881.
- RIO DE JANEIRO, MUSEU NACIONAL DO :—Archivos, Vols. 2 and 3.
- ROBINSON AND THOMPSON (the Photographers) :—Photographs of Liverpool during Royal Visit, 1881, Cotton Corner, and Laying Foundation of Vyrnwy Water Works.
- ROSE, REV. W. F., M. A. :—Lichenographia Britannica, by Dawson Turner and W. Borrer ; Muscologiae Hibernicae Spicilegium, by Dawson Turner.
- ROYAL ASTRONOMICAL SOCIETY :—Monthly Notices, Vol. 41.
- ROYAL COLONIAL INSTITUTE :—Proceedings, Vol. 12.
- ROYAL CORNWALL POLYTECHNIC SOCIETY :—Annual Report, 1880.
- ROYAL INSTITUTE OF BRITISH ARCHITECTS :—Transactions and Proceedings, 1880-1881.
- ROYAL SOCIETY OF LONDON :—Philosophical Transactions, Vols. 171, Pt. 3, and 172, Pt. 1.
- ST. LOUIS PUBLIC SCHOOL LIBRARY :—Bulletins, Nos. 11-13.
- SAMUELSON, ALDERMAN E., J.P. :—Report of the United States Commissioner of Internal Revenue, 1879-80.
- SCOTLAND, SOCIETY OF ANTIQUARIES OF :—Proceedings, 1879-80.
- SHERLOCK, FREDERICK (the Author and Editor) :—Illustrious Abstainers (3 copies) ; Heroes in the Strife (3 copies) ; More than Conquerors (6 copies) ; Home Words, 1880 ; Fireside Annual, 1880 ; Day of Days, 1880 ; Hand and Heart, Vol. 5.
- SMITHSONIAN INSTITUTION, U.S.A. :—Miscellaneous Collections, Vols. 18-21 ; Contributions to Knowledge, Vol. 23 ; Report, 1879 ; Memorial of Joseph Henry.
- SNAPE, JOSEPH (the Author) :—Reminiscences of a Dental Surgeon.
- SOUTH AUSTRALIAN INSTITUTE :—Annual Report, 1880-81.
- SPRATT, VICE-ADMIRAL T. A. B., C.B. (the Author) :—Suggestion for the Improvement of the Entrance to the Mersey (3 copies) ; Report on the Present State of the Navigation of the River Mersey, 1880 (3 copies).
- STUART-GLENNIE, J. S. (the Author) :—The Youth of Arthur.
- SUTTON, C. W. (the Author) :—George Eliot : a Bibliography.
- TAYLOR, J. STOPFORD, M.D. (the Author) :—Importation of Infectious Diseases.
- THOMAS, RALPH (the Author) :—Aggravating Ladies.
- TINNE, J. A., J.P. :—Illustrated London News, Vols. 77 and 78.
- TRINITY COLLEGE, LONDON :—Calendar, 1881-82.
- TULLOCH, COL. SIR ALEXANDER (the Author) :—The Crimean Commission and the Chelsea Board.
- UNITED STATES GOVERNMENT :—Bureau of Education ; Library Aids ; Coast Survey Report, 1876-7 ; Geographical Survey Reports, Vols. 2-6 and Atlas ; Geological Survey Report ; Naval Observations, 1876 (2 vols.,) 1877, and Reports on the Solar Eclipses of 1878 and 1880.

DONATIONS—(Continued.)

UNIVERSITY COLLEGE OF WALES :—
Calendars, 1880-1, and 1881-2.
VICTORIA ROYAL SOCIETY :—Transactions,
Vol. 17.
VINING, EDWARD P. (the Author) :—The
Mystery of Hamlet.
WARRINGTON FREE LIBRARY :—Supple-
ment to Lending Library Catalogue.
WATERHOUSE, CAPT. HENRY :—Old
Nottinghamshire, edited by J. P. Bris-
coe ; Report of the St. John Ambulance
Association, 1881.
WATHERSTON, E. J. (the Author) :—Pro-
gress of British Commerce.
WEBLEY-PARRY, ELLEN (the Author) :—
Epitome of Anglican Church History
(3 Copies).

WESLEYAN CONFERENCE OFFICE :—124
Volumes of Selected Publications.
WHITE, EDWARD (the Author) :—Life in
Christ (3 Copies).
WILLICOTT, MRS. :—Homilies appointed
to be read in Churches.
WOODSIDE, THE ANDERSON FREE LIBRA-
RY :—Catalogue of Books, Compiled by
A. W. Robertson, M.A.
WORCESTER PUBLIC LIBRARY :—A Re-
trospect, by C. M. Downes.
WORCESTER (MASS., U. S. A.) PUBLIC
LIBRARY :—Relation of the Public
Library to the Public Schools, by S. S.
Green.
ZOOLOGICAL SOCIETY OF LONDON :—Tran-
sactions, Vol. 11, Pts. 3-5; Proceedings,
1880-81; List of Fellows and Members.

The following Periodicals, Newspapers, &c., have been presented
regularly by the Publishers :—

Alliance News
American Settler
Anglo-American Times
Bootle Times
Brewers' Guardian
British Temperance Advocate
Builders' Weekly Reporter
Cambridge Examiner
Catholic Times
Church Missionary Gleaner
Church Missionary Intelligencer
Church Missionary Juvenile Instructor
Clergyman's Magazine
Colonies
Congregationalist
Day of Days
Dietetic Reformer
Draper
Ecclesiastical Observer
Educational Guide
Englishwoman's Review
Entr'acte
Estates Gazette
Financial Reformer
Fireside
Hand and Heart
Home Words
Homœopathic World
Intellectual Repository
Inventor's Record

Irish Temperance Banner
Iron and Coal Trades Review
Journal of the Statistical Society
League Journal
Liverpool Albion
" Courier
" Echo
" Express
" Journal
" Lantern
" Liberal Review
" Mail
" Mercury
" North End Times
" Porcupine
" Post
Musical and Dramatic World
Naval and Military Gazette
Sanitary Engineering
Spelling Reformer
Sunday Review
Sydney Mail
Temperance Record
Tonic Sol-Fa Reporter
Toxteth and Garston Times
Waterloo Times
Weekly Register
Women's Suffrage Journal
Zoophilist

LENDING LIBRARIES.

TABLE I.—General Statistics :—

	This Year.			Last Year.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Volumes lent	222,212	200,839	423,051	215,052	221,363	436,415
Tickets issued to New Readers..	2,278	2,417	4,695	2,646	2,641	5,287
Tickets renewed	2,496	2,209	4,705	2,346	2,344	4,690
Tickets cancelled	2,719	2,683	5,402	2,487	2,452	4,939
Total No. of readers on the books	4,647	4,705	9,352	4,965	5,040	10,014
Books lost or injured, and paid for	47	37	84	35	31	66
Books lost	—	—	—	4	—	4
Volumes worn out—withdrawn..	228	239	467	289	322	611
Volumes worn out—replaced....	700	611	1,311	664	710	1,374
New volumes added	607	554	1,161	586	594	1,180
Total No. of vols. in the Libraries	21,717	22,262	43,979	21,338	21,947	43,285

TABLE II.—Showing the Classification of Volumes Lent and Added :—

	Volumes Lent.			Volumes Added.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Theology, Moral Philosophy, &c.	3,566	3,768	7,334	20	18	38
Nat. Philosophy and Mathematics	3,186	3,476	6,662	16	16	32
Natural History	2,176	2,187	4,363	17	16	33
Science and the Arts	7,883	7,832	15,715	51	41	92
History and Biography	9,307	9,722	19,029	69	70	139
Topography and Antiquities ...	921	1,056	1,977	15	11	26
Voyages and Travels	5,653	5,188	10,841	28	26	54
Miscellaneous Literature	12,057	11,753	23,810	112	107	219
Jurisprudence, Law, and Politics	488	461	949	3	2	5
Commerce and Political Economy	644	703	1,347	11	3	14
Education, Languages, Logic, &c.	1,893	1,668	3,561	3	4	7
Poetry and the Drama	1,518	1,917	3,435	12	9	21
Prose Fiction	172,569	150,404	322,973	250	209	459
Latin and Greek Classics	305	432	737	—	5	5
Books for the Blind	46	272	318	—	17	17
TOTAL	222,212	200,839	423,051	607	554	1161

MUSEUM.

The Visitors to the Museum during the year have been as follows :—

	1881. 215 Days.	1880. 213 Days.	Increase.
Total Visitors in the year	422,326	415,122	7,204
Weekly average	8,121	7,983	138
Daily average	1,964	1,948	16

The 18th of October, 1881, was the 20th anniversary of the opening of the Museum in the present building.

The total number of visitors during that time amounted to 8,677,853, giving a yearly average of 438,892.

DONATIONS.

Specimens of two species of Shells, *Natica picta* and *Cassis areolata*; presented by Mr. R. M. Adam.

A Comatula clinging to a Gorgonia stem, specimens of rare Echini and Cake Urchins, from Singapore; presented by Staff Surgeon Samuel Archer, A.M.D.

Six living specimens of the Sea Hare, *Aplysia punctata*, from Anglesea; presented by Mr. George Atkin.

Two Sea Snakes, *Pelamys* and *Chersydrus*, from the Indian Ocean; presented by Messrs. Bathgate and Son.

A Horned Pheasant, *Cerionis melanocephala*, from India; presented by Mr. F. S. Bocquet.

A Piece of Timber, from the Mediterranean, bored by Teredos; Horns of a Four-horned Antelope; Skull of a Hornbill; Skull and Jaws of a Shark; Teeth of a Fish, *Dentex*; and seventeen bottles of Snakes, &c.; presented by Mrs. Bocquet.

Specimens of Ichthyosaurus Teeth and Bones, Ammonites, &c., cut and polished; presented by Mr. Joseph Boulton.

Specimens of Wigeon, *Mareca penelope*; Scaup Duck, *Fuligula marila*; and a Great Crested Grebe, *Podiceps cristatus*; shot at Hilbre; presented by Mr. H. D. Brandreth.

Specimens of Indian Chisels made of Conch Shells, apparently from *Strombus accipitrinus*, and found in Barbadoes; presented by Sir T. Graham Briggs, Bart.

A young Giraffe, seven feet high, stuffed, a Rocky Mountain Goat, *Mazama Americana*, and six other Ruminant Mammals, stuffed or in skin; forty small specimens of Reptiles, Fish, &c., in spirit; two fine Crinoids, *Comatula Eschrichtii*, from the late Arctic Expedition; six small Starfishes, from the same; and 1,061 specimens of Insects of various Orders; presented by the Trustees of the British Museum, from the duplicates of the National Collection.

Four specimens of *Stromatopora concentrica* and two of *Caunopora placenta*, from the Devonian Limestone, Dartington, near Totnes; also, a small polished section of *Stromatopora elegans*, Rosen, Devonian Limestone, Teignmouth; specimens of seven forms of Foraminifera, Num-

mulites, *Carpenteria*, &c., mounted and named ; Cocoons of the common Leech ; two cases of Caddis Larvæ, from South America ; and specimens illustrative of nineteen groups of Sponges of the Order *Holoraphidota* ; presented by Dr. H. J. Carter, F.R.S.

A female Eider Duck, *Somateria*, and a Little Auk, or Rotche, *Mergulus alle*, from West Spitzbergen ; presented by Mr. J. M. Caw.

Two Woodcocks, from Knowsley ; presented by the Earl of Derby.

A Long-eared Bat, from Llanfairfechan, North Wales ; presented by Mr. Henry Duckworth, J.P.

A Guinea Baboon ; presented by Mrs. Edmonds.

A specimen of Chrysocolla or Silicate of Copper, from Devonshire ; presented by Mr. C. T. Gatty.

Three Nestling Hedgehogs, from Broadgreen ; presented by Mr. W. L. Gladstone.

Ten Facsimile Models of Australian Gold Nuggets, and specimens of 16 varieties of Minerals and Rocks, *Zeolites*, *Phacolites*, &c., from Melbourne ; presented by Mr. John Greenwood, of Melbourne, formerly of Liverpool.

A specimen of Petrified Hickory, from Mobile, Alabama ; presented by Captain Halcrow.

An Electric Fish, *Malapterurus*, and a young Crocodile, from West Africa ; presented by Mr. H. Heard, Jun.

The Skeleton of a common Frog, also the Skeleton of a common Chick at the 16th day of incubation ; three Chicks at various stages ; and one Chick at the 4th day, mounted for the Microscope ; presented by Dr. J. Sibley Hicks.

A small rare Sponge, *Plocamia gymnausa*, dredged off Cape Palmas, West Africa ; presented by Mr. T. Higgin, F.L.S.

A Loggerhead Turtle, weighing 206 lbs., from Pernambuco, and the Head of a large Edible Turtle ; presented by Mr. George Hulse.

A Long-eared Bat, from County Derry ; presented by Mr. A. Jenkins.

A collection of about eighty species of Butterflies and Meths with their transformations, from São Paulo, Brazil ; collected, bred, and presented, together with notes on their various stages, by Mr. E. Dukinfield Jones, C.E., Corresponding Member of the Literary and Philosophical Society of Liverpool.

Five specimens of the Coney of Scripture, *Hyrax Syriacus*, and specimens of Birds, from Palestine ; specially collected for the Museum, and presented by Mr. Hugh Heywood Jones.

A White-tailed Deer, *Cervus leucurus*, from Big Horn Mountains, and a Snowy Owl, from Long Point, Lake Erie ; collected and presented by Mr. St. George Littledale.

A Fossil Fish, from Crato, Province of Ceara ; presented by Mr. John Mackee, of Ceara, per Messrs. R. Singlehurst.

Two small specimens of Aberthaw Limestone, from near Cardiff ; presented by Mr. F. P. Marrat.

A Bat, 10 Reptiles, and a Fish, from Persia and West Africa ; 4 Cocoons of Tusseh Silk Moth ; 3 Shells from Queensland (*Melania glandiformis*) ; 3 Fossil Spines of *Cidaris*, and 2 Cuttle Bones of *Sepia Lycidas* ; presented by Mr. F. Moore, F.Z.S.

A Snake ; presented by Messrs. J. Nickel & Son.

Specimens of the Edible Nest and Eggs of an Indian Swallow, *Collocalia*, from Borneo ; presented by Lieutenant Niblett, R.N.

A Common Guillemot, *Uria troile*, changing to winter plumage, from Formby ; presented by Mr. R. Paden.

A Fish Spine, *Hybodus* ; Bones of Turtle and Shell, from Portland Oolite ; presented by Mr. C. Potter.

A large group of Crystals of Calcite, from the Cueva de Bella Mar near Matanzas, Cuba ; presented by Mr. J. W. Schofield, per Messrs. J. T. Nickel & Co.

An Oil Picture of the Orang Outan, *Simia satyrus*, from Borneo, painted from nature by Mr. B. Waterhouse Hawkins, F.G.S. ; presented by Mr. James Smith.

Living specimens of the Nurse Frog, *Alytes obstetricans* ; presented in exchange by Professor Schnitger, Lippe Detmold.

Two Swans, shot at Bromboro' ; presented by Mr. Horace Turner.

A branching Sponge, order *Echinonemata* ; presented by Mr. J. S. Tyerman.

Specimens of Reptiles, Fish, Crustacea, Scorpions, Mollusca, and Coleoptera, from Wassaw, Gold Coast, West Africa ; collected and presented by Mr. R. B. N. Walker, F.R.G.S., Corresponding Member of the Literary and Philosophical Society of Liverpool.

A collection of Marine Specimens collected on a voyage from Liverpool to Baltimore, Acapulca, and San Francisco; presented by Captain W. H. Cawne Warren, Ship "Bedfordshire," Associate of the Literary and Philosophical Society of Liverpool.

A Fir Ball, found in Windermere; presented by Mr. W. Woods.

A collection of 85 named specimens of 80 species of Fishes, from the Pacific Coast of North America; presented by the Smithsonian Institution, Washington, per Professor Spencer F. Baird, Secretary of the Institution, and U.S. Fish Commissioner.

Specimens of British Birds; presented by Mr. Thomas West.

PURCHASES.

The principal purchases for the Museum have been as follows:—

A Kooloo-Kamba Chimpanzee, a young Gorilla, a Malayan Bear, a Red River-Hog, a young Koodoo Antelope, a Chamois, a Great Ant-eater, and thirteen other Mammalia.

Two Oven Birds (*Furnarius*), with nest and eggs, from Brazil, and 16 other Birds.

A Serpent, 17 feet in length, and two Matamata Tortoises.

The Beak of a Sword Fish (*Histiophorus*), 42 inches long, taken from a specimen captured off Rhode Island, U.S.A.

Seventy-six selected Insects of various Orders, including a specimen of *Ornithoptera Brookiana*, from Borneo, and other rare Butterflies.

A fine example of a rare Crustacean (*Ranina dentata*), a *Balanus*, and four specimens of Echinoderms.

Thirteen models of molluscous animals, 13 specimens of seven species of Shells from Lake Tanganyika; and 129 other selected specimens of Mollusca.

A collection of specimens from Barbadoes, chiefly marine, including specimens of *Pentacrinus* or Sea Lily.

A left lower Molar Tooth and cut and polished sections of other teeth of *Elephas meridionalis*, from the Cromer Forest-bed, Norfolk; and polished sections of the Pear Encrinite, *Apiocrinus Parkinsoni*, from the Bradford clay.

FREE LECTURES.

The Sixteenth Winter Course of Free Lectures, forty in number, was delivered in the Lecture Hall of the Free Library, in January, February, and March, 1881.

Total number of persons who attended the Lectures	14,815
Average per Lecture	370

LIST.

- Primeval Man; with Illustrations from the Mayer Collection; by Sir J. A. Picton, F.S.A.
- Floral Defences; with Illustrative Drawings; by the Rev. H. H. Higgins, M.A.
- Through Norway to the North Cape and Back; by the Rev. Samuel Pearson, M.A.
- The Sailing Ships of all Ages; with Illustrations by the Oxyhydrogen Light; by Captain Stubbs, R.N.
- On the Changes that occur in Plants during the Ripening of Seeds; Illustrated by Coloured Drawings; by Dr. J. Birkbeck Nevins.
- The City of the Lily and the City of the Liver; an Instructive Contrast; by Mr. P. H. Rathbone, J.P.
- Miscalculations; by the Rev. J. Burbidge.
- A Sketch of the Rise and Progress of Steam Navigation; with Illustrations by the Oxyhydrogen Light; by Captain Stubbs, R.N.
- The Dimensions of the Stellar Universe; with Illustrations by the Oxyhydrogen Light; by Mr. R. C. Johnson, F.R.A.S.
- Zoophytes or Animal Plants of the Mersey; with Illustrations by the Oxyhydrogen Light; by Dr. J. Sibley Hicks, F.R.M.S.
- Work in Pleasure or Toil for Pay; by Mr. A. H. Mackmurdo.
- Solar Eclipses; with Illustrations by the Oxyhydrogen Light; by the Rev. S. J. Perry, S. J., F.R.S.
- Solar Eclipses; with Illustrations by the Oxyhydrogen Light; by the Rev. S. J. Perry, S. J., F.R.S.
- The Value of Art and its Relation to Life; by Mr. A. H. Mackmurdo.
- Humorous and Dramatic Recitals from English and American Authors; by Mr. William Bennett.

- Legends and Proverbs of the Olden Time ; by Mr. B. L. Benas.
- How to Acquire and how to Utilize Musical Knowledge so as to read Vocal Music at sight ; with Illustrations ; by Mr. J. Veaco.
- Athens ; with Photographic Illustrations ; Mr. James Samuelson.
- Liverpool Imports ; Illustrated by Specimens, Drawings, and Experiments ; by Mr. Norman Tate, F.I.C.
- Win and Wear ; by the Rev. J. Henry Skewes.
- On Expression in Vocal Music ; with Illustrations ; by Mr. J. Veaco.
- Readings from Shakespere and other Writers ; by Mr. F. Kempster, M.A.
- Household Words from Shakespere, by the Rev. H. Stowell Brown.
- Fishes, Recent and Fossil ; their Structure and Distribution ; by Mr. T. J. Moore.
- Mathematical Science ; its Influence on the World ; by Mr. J. Gill.
- On the Study of Natural History in the Neighbourhood of Liverpool ; by Mr. F. P. Marrat.
- Scottish Song and Song Writers ; by the Rev. H. T. Howat, M.A.
- The Structure of Mountains ; by Mr. G. H. Morton, F.G.S.
- Shaftesbury—the First Great English Party-Leader ; by Mr. James Birchall.
- Concerning *Duty* by Smiles ; by Mr. B. H. Grindley.
- The Catacombs of Rome ; with Illustrations ; by Mr. H. Duckworth, J.P., F.G.S., F.L.S.
- Ideals in Christian Art ; with Illustrations by the Oxyhydrogen Light ; by Mr. C. T. Gatty, F.S.A.
- Sulphur and its Compounds ; Illustrated by Experiments ; by Mr. E. Davies, F.C.S., F.I.C.
- China and the Chinese ; by Dr. George Shearer.
- The Shores of the Mediterranean ; historically considered and Photographically Illustrated by the Lime Light ; by Mr. J. A. Forrest.
- Another Evening with some Rare and Valuable Books in the Free Library ; by Mr. P. Cowell.
- Literature and Poetry of Ireland ; by Mr. Walter Pierce.

Incandescent Electric Lighting ; with Experimental Illustrations ;
by Mr. C. H. Stearn.

On the Search for Happiness ; by Mr. Charles Dyall.

Utopia ; by Mr. E. R. Russell.

LECTURES ON ENGLISH LITERATURE.

In consequence of the Cambridge University Local Lectures Syndicate being unable to supply a Lecturer to continue the Course on English Prose Literature, commenced and successfully carried on during the previous year by the Rev. A. Caldecott, the Committee appointed Mr. T. Hall Caine to deliver a Course of Twelve Lectures "On English Prose Literature from Addison to Carlyle (1720-1880)."

At these lectures there were 3,177 attendances, giving an average per lecture of 264.

The attendants at these lectures were invited to send in essays on the subjects treated in order that certificates might be given in the order of merit.

The Rev. Professor Graham, of London, kindly gave his assistance to Mr. Caine in this adjudication. The list of the essayists and the report of Dr. Graham are as follows :—

Report from the REV. PROFESSOR GRAHAM, D.D., *Adjudicator :—*

*London, 20, Endsleigh Street, Tavistock Square,
February 15th, 1882.*

DEAR SIR,—Mr. T. H. Caine has sent me the MSS. of the Essayists in his English Literature Class that I may give some judgment upon their relative merits. I have read them over—all of them with interest, some of them with admiration—both of the Essayists and of the Lecturer who had impressed the substance and spirit of his Lectures so thoroughly on the minds of his students.

I might have slightly changed one or two names in the table Mr. Caine sent me, and which I transmit to you ; but the real order of merit would not have been affected by any change I could make. I would only say further that the boy Palethorpe, 12 years old, writes a Paper so judicious and at the same time so naïve that he almost, or indeed altogether deserves, to be put into a class of which he is the only

representative. So let Mr. Caine's table stand, as I thoroughly adopt it, and that after personal careful examination. Such a class in Liverpool must have influenced a far larger circle than even that of the Essayists, and must, when conducted as Mr. Caine has evidently conducted it, prove a real quickening and encouragement to many young minds.

I am, my dear Sir,
Yours cordially,

WILLIAM GRAHAM.

1st. Class.—Distinguished.

Hiram Tattersall.
Fred. Broadbridge.
John Smitton.

1st Class.

Miss M. E. Osborne.
,, F. D. Palethorpe.
,, M. C. Palethorpe.
Herbert Savile.
Miss S. H. Thompson.
Ed. Watkins.

2nd Class.

P. R. Palethorpe, a boy 12 years old. This ought to be stated on the certificate drawn up by Mr. Caine.
W. J. Banks.
H. V. Cantrell.
H. A. Keily.
Miss Sarah Kendall.
A. Maddock.
J. Watkins.

P.S.—I adopt this table of the relative merits of the Essayists as substantially correct and just. I do so after careful independent reading and inspection.

(Signed) WM. GRAHAM, D.D.,
Adjudicator.

Three Experimental Lectures were delivered by Dr. J. Campbell Brown, in the Small Concert Room, St. George's Hall, in continuation of previous Courses on the "Chemical Elements," the subject treated of being *Carbon*.

The total attendances amounted to 2,441, being an average of 813.

The Liverpool School of Science has had the use of rooms as in former years, and the following Courses of Lectures are being delivered in connection with the Department of Science and Art, South Kensington:—

Solid Geometry. By Mr. A. J. Briant.

Machine Drawing. Do.

Building Construction. Do.

Agriculture. By Mr. C. F. Cooper.

Also a Class on Shorthand. By Mr. R. F. Finlay, in connection with the Society of Arts, London.

Examinations conducted under the management of the Universities of Oxford and Cambridge, and of the Civil Service Commissioners, have taken place as in former years.

The following Societies have also had the use of rooms:—The Amateur Photographic Society, the Students' Geological Society, the Liverpool Association of Science and Arts, and the Lancashire and Cheshire Entomological Society.

MAYER MUSEUM.

REPORT.

The Ethnographical Annexe at the back of the Walker Art Gallery was opened to the public early in the year, and has proved a considerable source of attraction. A Catalogue of this collection, with several illustrations, is about to be printed, and other parts of the Mayer Museum Catalogue are in course of preparation.

DONATIONS.

A collection of Ethnographical Objects ; presented by Mr. G. Holt.

Mandingo Dagger, and a Grass Hammock ; presented by Mr. B. R. Isaac.

Ethnographical Specimens, from Australia ; presented by Mrs. Morley Francis.

One hundred and ten Flint Arrowheads, collected in Nottoway County, Virginia, and presented by John Whitford.

Rent Roll on parchment of a Monastery, dated during the reign of Henry VIII. ; presented by Mr. H. R. Huband.

A valuation of the "Manor of Littleton," in the time of William and Mary ; presented by Mr. H. R. Huband.

Three Vases made from clay taken from the foundations of this Museum ; presented by Mr. Joseph Mayer.

Fragments of Breccia, also a few Bones, taken from the flooring of the cave-dwelling at Llandudno ; presented by Mr. C. T. Gatty.

Walking stick, a bronze armlet, and four beads, from West Africa ; presented by Mr. R. B. N. Walker.

Cap and pouch, embroidered with beads and grass, North American Indian ; presented by Miss Neilson.

Medal of Napoleon, struck at Lancaster in 1802 ; presented by Mr. Arthur Greer.

Five Miniatures on Ivory ; presented by Mr. Joseph Boulton.

Early English Tortoiseshell Dish ; presented by Mr. John Nicholson.

Small Glass Beads, from the Gold Coast, W. Africa ; presented by Mr. R. B. N. Walker.

Two Small Square Brass Objects, used to give to street beggars in Jerusalem by the Jews ; presented by the Rev. G. J. Chester.

(1) Carved Wooden Figure of Our Lord from a Crucifix. (2) Bronze Vase from an early Greek Cemetery Camirus in Rhodes. (3) Two Silver Girdle Ornaments worn by Norwegian Peasants ; presented by Mr. A. W. Franks.

Sling of Plaited Grass, used by the Maories for carrying heavy weights ; presented by Mr. John Cullen.

Mummy and Case, from Thebes ; presented by the Earl of Denbigh.

Three Implements made of the shell *Strombus Accipitrinus*, from the Island of Barbadoes ; presented by Sir T. Graham Briggs, Bart.

Five Silver Coins of Demerara and Essequibo, 1816 ; presented by Mr. John Davies, C.C.

Ball of Plaited Human Hair, made by the inhabitants of Easter Island ; also a Scroll of Oriental Inscriptions ; presented by Dr. J. L. Palmer, R.N.

Octangular Stone Vessel inscribed "R.L.M.L. 1656," found at Ashton Hayes, near Chester, and presented by the Rev. J. H. Staite.

PURCHASES.

Facsimile of the Paper Money and Coinage used in France about the Epoch of the first French Revolution.

Model of a Canoe, Polynesia.

Plate of Seacombe Pottery.

Album of Ethnographical Photographs.

Copper Plate, from India.

Silver Filigree Hair Ornament.

Dagger with Carved Ivory Handle.

Carved Ivory Tusk, West Africa.

Mandingo Sword, West Africa.

Wedgwood Bowl and Jug.

Liverpool Printed Jug.

Ethnographical Drawings and Maps.

Silver Filigree Pipe Mouthpiece.

Implement used for Smoothing Linen, from Norway.

Indian Purse.

Japanese Book, with Landscape Paintings on Silk.

Two Japanese Lacquered Bamboo Vases.

Model of a Frigate, date 1763.

Nine Jewish Coins—a Shekel, half Shekel, and seven Copper Coins.

Fiji Club elaborately carved, also an Old English Tortoiseshell Ware Plate.

Specimen of Swiss Pottery.

Mediæval Chart.

Early English Wine Bottle, found at Great Meols.

Liverpool Jug, with Masonic devices upon it.

Ivory Tusk, West Africa.

Liverpool Enamel, with printed portrait of William Pitt upon it.

Shell Leglet.

African Ivory Figure.

Model of a Hand in Liverpool Pottery, also a Silver Medal of the Circus Street Schools, dated 1806.

Club from New Caledonia.

Group of Kylins in white porcelain.

Pottery Medallion Portrait—"Miss Wedgwood."

Silver Badge, probably that of the Liverpool Honourable Society of Bucks.

Medal of the Liverpool Shipwreck and Humane Society.

Polynesian Paddle.

Seventh volume of the "Bilder Atlas."

New Zealand War Medal, and a Medal for long service and good conduct.

Three specimens of Early English Pottery.

Group of Ethnographical Objects, from the South Seas.

Liverpool Painted Jug, with a figure of Garrick in the character of Don John in the Chances.

Small Woven Bag, Peruvian.

East Indian Dagger.

WALKER ART GALLERY.

SINCE the date of the last report the Gallery has been open on 264 days and closed on 49 days for cleaning and the re-arrangement of the permanent pictures in the upper rooms.

484,402 persons have visited the Gallery during the year, being a daily average of 1,834.

This total includes 72,919 persons who visited the Autumn Exhibition, and 6,870 pupils of schools of various denominations admitted gratuitously by invitation of the Committee.

The Art Students who have the privilege of copying have availed themselves of this advantage to about the same extent as last year, the average attendance on the Student days being 14.

A descriptive Catalogue of the Pictures in the Permanent Collection has been compiled by the Curator, with the sanction of the Committee, and since its publication in July last 3,600 Copies have been disposed of.

AUTUMN EXHIBITION OF PICTURES.

	1881.	1880.
Number of Pictures and other Works of		
Art exhibited	1,435	1,081
Number of Pictures sold	315	271
Amount realised by sales.....	£12,210 11 0	£11,753 7 6
Season Tickets	2,557 475 14 0	2,672 499 16 0
Admissions at one shilling	28,695 1,434 15 0	28,991 1,449 11 0
Ditto sixpence	11,569 289 4 6	10,969 274 4 6
Ditto threepence	30,098 376 4 6	35,198 439 19 6
Catalogues sold	468 19 9	509 7 3
Commission on sales	523 7 6	544 3 3
Amount received exclusive of sales	3,044 17 9	3,172 18 3

The following table will be read with interest by all concerned in the culture of Art :—

TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 11 YEARS, FROM 1871 TO 1881.

Year.	ADMISSIONS.			Season Tickets.	Catalogues Sold.	Commission on Pictures Sold.	Miscellaneous Receipts.		Total Receipts.		PICTURES SOLD.					
	One Shilling.	Sixpence.	Threepence.				£	s.	d.	£	s.	d.	No.	£	s.	d.
1871	720 16 0	... ..	207 14 6	62 2 0	165 10 0	320 18 6	46 4 4	1,523	5 4	6,395	2 6				
1872	601 5 0	175 9 6	48 2 6	59 6 6	168 0 6	312 6 0	3 18 3	1,368	8 3	6,231	4 6					
1873	665 18 0	... ..	229 10 3	96 8 6	199 17 6	371 17 0	2 10 0	1,566	1 3	7,402	17 6				
1874	854 16 0	... ..	241 13 3	151 16 6	247 0 6	479 0 3	2 7 0	1,976	13 6	9,514	13 0				
1875	972 13 0	77 17 6	237 14 0	210 7 0	279 14 3	617 3 0	11 9 2	2,408	17 11	12,299	18 6					
1876	1,118 0 0	86 9 6	232 7 6	221 1 0	301 12 0	440 16 3	9 10 7	2,409	15 10	8,867	10 0					
1877	1,928 12 0	... ..	419 3 3	443 14 0	454 10 1	537 11 2	18 4 2	3,801	14 8	10,963	11 0				
1878	1,964 17 0	330 9 0	423 5 0	528 14 6	562 8 6	237 13 0	142 0 4	4,139	7 10	6,225	14 0					
1879	1,516 12 0	212 1 6	378 11 9	566 7 6	504 9 3	364 16 0	7 17 0	3,550	15 0	9,159	15 0					
1880	1,449 11 0	274 4 6	439 19 6	499 16 0	509 7 3	544 3 3	10 17 7	3,727	19 1	11,753	7 6					
1881	1,434 15 0	289 4 6	376 4 6	475 14 0	468 19 9	523 7 6	15 9 6	3,583	14 9	12,210	11 0					
Total	13,227 15 0	1,445 16 6	3,234 6 0	3,315 7 6	3,861 9 7	4,749 10 11	270 7 11	30,104	13 5	101,024	4 6					

Out of 3,073 Pictures Sold during the last 11 years the Corporation of Liverpool Purchased 36 for their Permanent Gallery, the catalogue prices of which amounted to £13,607.

ADDITIONS TO THE PERMANENT COLLECTION.

PURCHASED—

Oil Painting:

“Dante’s Dream,” by D. G. Rossetti.

In Tempera:

“Market Place, Verona,” by John O’Connor.

Water Colour:

Landscape (Sunset), by John McDougal.

WORKS PRESENTED.

OIL PAINTINGS—

The “Shepherd of Jerusalem,” by Phil. R. Morris, A.R.A.;
presented by Hy. Branston, Esq.

“Boulders at Rest,” by J. G. Naish; presented by Philip
Rathbone, Esq.

Model of Windsor Castle, executed by Mr. Bellamy; presented by
William Bennett, Esq.

Signed on behalf of the Committee,

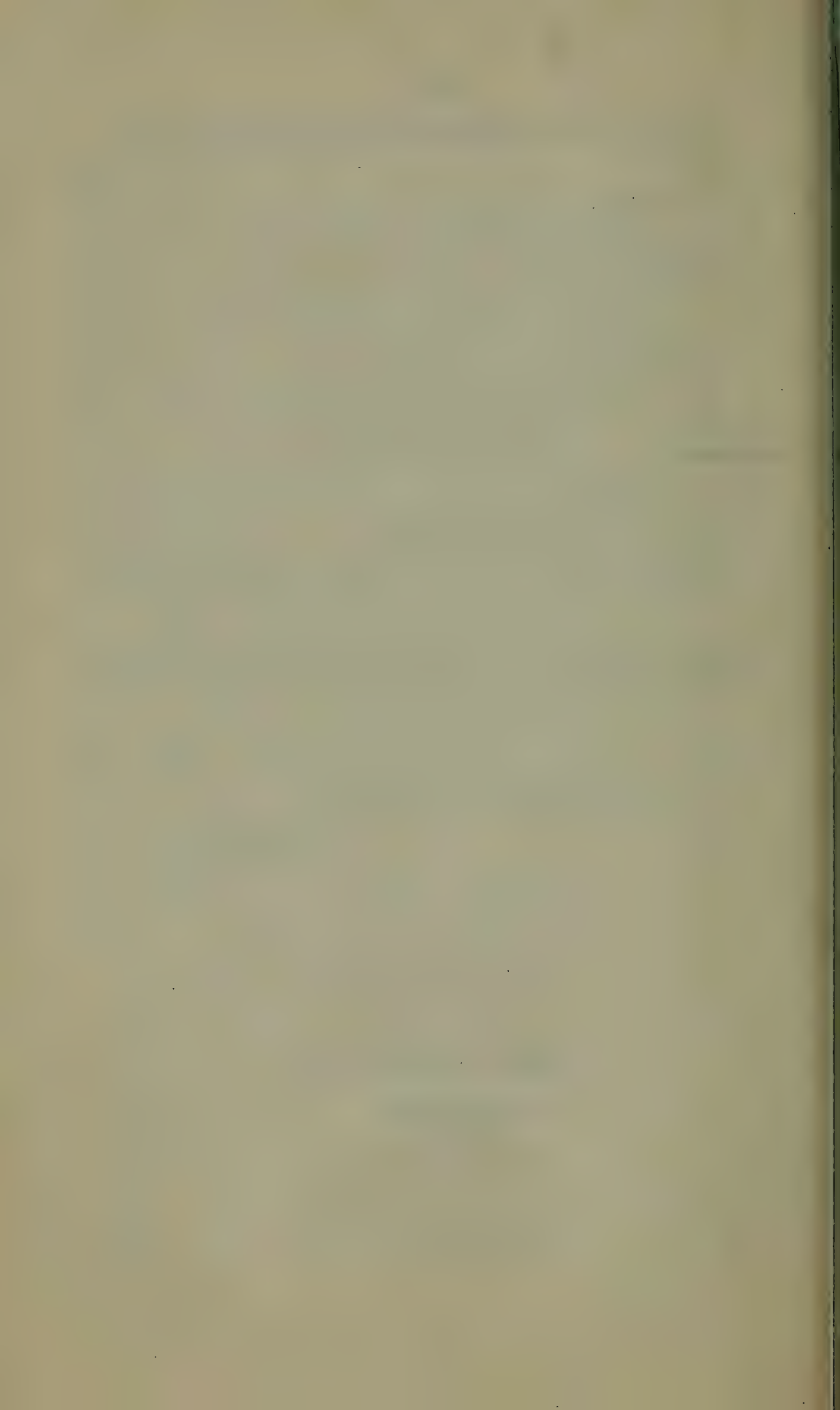
J. A. PICTON,

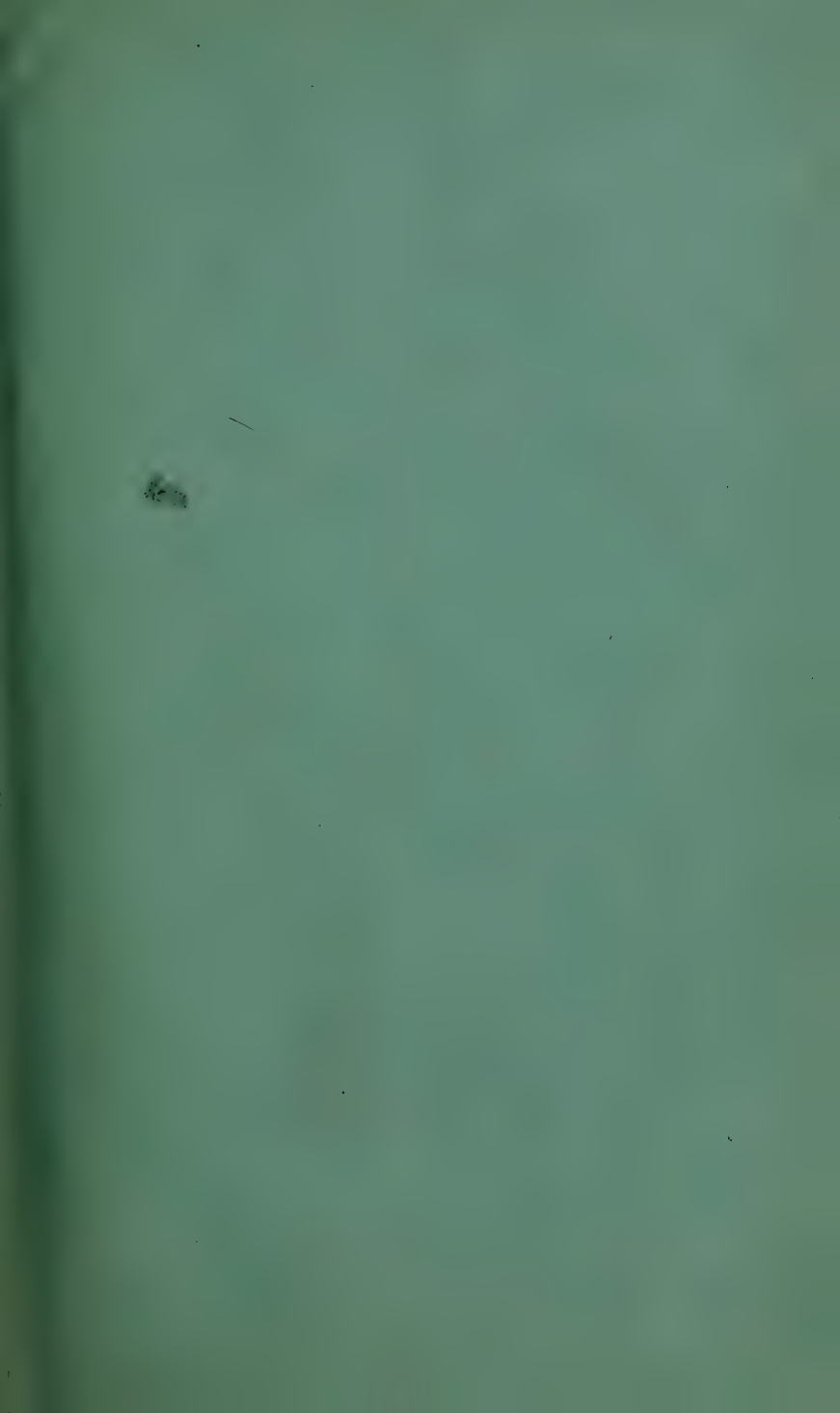
CHAIRMAN.

PAID

15 JUL 1898





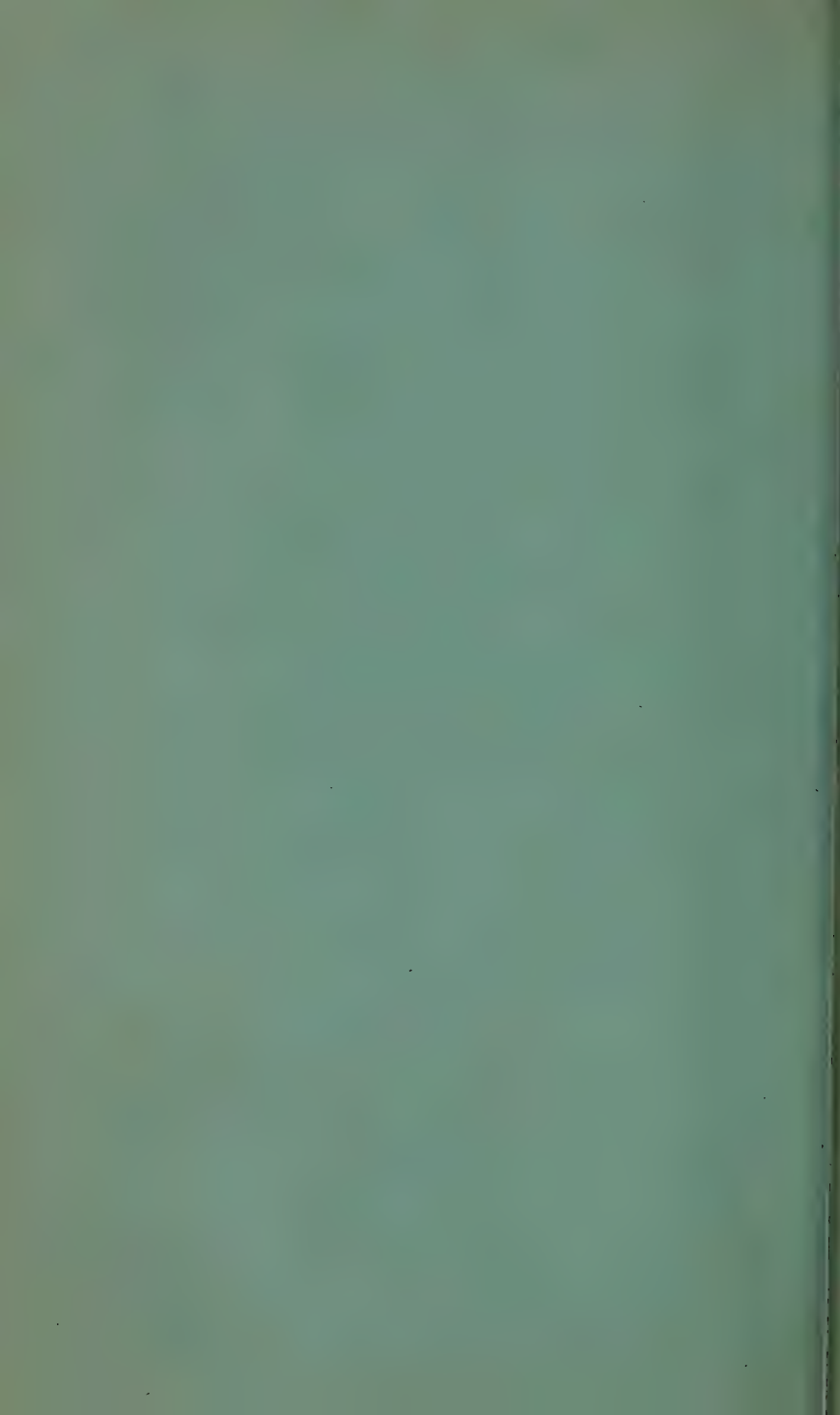




THIRTIETH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY
OF THE
CITY OF LIVERPOOL.



LIVERPOOL:
PRINTED BY HENRY GREENWOOD, 32, CASTLE STREET.
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COMMITTEE AND OFFICERS

For the Years 1882-83.

Committee.

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THOMAS J. MOORE.

Curator of the Mayer Museum.

CHARLES T. GATTY.

Curator of the Walker Art Gallery.

CHARLES DYALL.

REPORT.

THE particulars of each department will be found under their respective heads. It may be stated generally that the efficiency and interest of the institution continue to be fully maintained.

The increased facilities afforded by the completion of the Rotunda Lecture Room have been availed of to a large extent, as is shown below, the numbers in attendance having been in many cases such as to crowd the building in an inconvenient manner.

Encouraged by the popularity of these lectures, it has been determined by the Council, on the motion of Mr. Stewart, to provide courses of similar lectures in other parts of the City. For this purpose a grant has recently been made by the City Council.

The building for the extension of the Walker Art Gallery has made considerable progress, and it is expected it will be ready for opening during the current year.

Many visits by distinguished persons from abroad have been paid during the year, amongst which may be mentioned the Officers of the Indian Contingent and the Envoys from Madagascar.

REFERENCE LIBRARY.

TABLE I.—Showing the books issued during the year:—

Classification.	Volumes.	Daily Average.
Theology, Morals, &c.....	18,174	65
Natural Philosophy, Astronomy, &c.	18,288	65
Natural History	6,961	21
Science and the Arts	27,405	98
History and Biography	24,230	86
Topography and Antiquities	6,458	23
Voyages and Travels	12,645	45
Miscellaneous Literature (principally collected Works, Magazines in Volumes, &c.).....	118,523	422
Jurisprudence, Law, and Politics	4,372	16
Commerce, Political Economy, and Statistics.....	3,238	12
Education and Language	7,192	26
Poetry and Dramatic Literature	13,886	50
Prose Fiction	207,342	738
Latin and Greek Classics and Translations:.....	4,471	16
Heraldry, Encyclopædias, and Works of Reference	30,163	108
Total.....	503,348	1,791

PICTON READING ROOM.

Classification.	This Year.	Last Year.
Theology, Morals, &c.....	18,174	18,072
Natural Philosophy, Astronomy, &c.	18,288	17,308
Natural History	6,961	6,499
Science and the Arts	27,405	28,581
History and Biography	24,230	22,574
Topography and Antiquities	6,458	6,244
Voyages and Travels	12,645	11,754
Miscellaneous Literature (principally collected Works, Magazines in Volumes, &c.).....	46,592	37,947
Jurisprudence, Law, and Politics	4,372	3,924
Commerce, Political Economy, and Statistics.....	3,238	2,725
Education and Language	7,192	6,000
Poetry and Dramatic Literature	13,886	12,916
Latin and Greek Classics and Translations.....	4,471	4,214
Heraldry, Encyclopædias, and Works of Reference	12,018	8,076
Total.....	205,930	186,834

BROWN READING ROOM.

Classification.	This Year.	Last Year.
Illustrated Periodicals in Volumes	71,931	75,401
Prose Fiction.....	207,342	231,834
Directories.....	18,145	18,569
Total.....	297,418	325,804

TABLE II.—Showing the issues of Quarterly and Monthly Magazines:—

Classification.	Magazines.	Daily Average.
Theology, Morals, &c.....	966	3
Natural Philosophy, &c.....	615	2
Natural History	652	2
Science and the Arts	1,109	4
Topography and Antiquities	479	2
Voyages and Travels	216	1
Miscellaneous Literature	74,975	267
Commerce, Political Economy, and Statistics.....	426	2
Education and Language	346	1
Total.....	79,784	284

TABLE III.—Showing the issue of Weekly Periodicals, &c.:—

Classification.	Periodicals.	Daily Average.
Natural Philosophy, &c.....	2,750	10
Natural History	1,496	5
Science and the Arts	6,733	24
Miscellaneous Literature (principally illustrated and literary Periodicals)	199,233	709
Law and Politics	787	3
Commerce, Statistics, &c.	797	3
Total.....	211,796	754

Total Patents for Inventions consulted, 16,129. Daily average, 57.

RECAPITULATION OF TOTALS.

Volumes of Books.....	This Year	503,348	Last Year	512,638
Quarterly and Monthly Magazines...	"	79,784	"	64,789
Weekly Periodicals	"	211,796	"	236,968
Patents Consulted.....	"	16,129	"	14,130
Grand Total.....		811,057		828,525

TABLE IV.—Showing the number and classification of works added during the year:—

Classification.	Volumes Added.	Total No. in the Library.
Theology, Morals, &c.....	160	6,140
Natural Philosophy, Astronomy, &c.....	77	1,817
Natural History.....	108	4,275
Science and the Arts.....	273	9,078
History and Biography	284	10,204
Topography and Antiquities	233	3,915
Voyages and Travels.....	103	4,415
Miscellaneous Literature (principally collected Works, Magazines, &c.)	731	16,870
Jurisprudence, Law, and Politics	106	6,403
Commerce, Political Economy, &c.	43	930
Education and Language	48	1,296
Poetry and Dramatic Literature	113	3,391
Prose Fiction	68	5,411
Latin and Greek Classics and Translations.....	14	689
Heraldry, Encyclopædias, and Works of Reference	71	2,428
Total.....	2,432	77,262

The following is the List of Magazines and Periodicals illustrating Tables II. and III. :—

QUARTERLY.

Annales des Sciences Naturelles
 Anthropological Journal
 Archæologia Cambrensis
 Archæological Journal
 British and Foreign Evangelical Review
 British Quarterly Review
 Calcutta Review
 Church Quarterly Review
 Dublin Review
 Edinburgh Review
 Grevillea
 Ibis
 Journal de Conchyliologie
 Journal für Ornithologie
 Journal of Anatomy
 Journal of the British Archæological Association
 Journal of the Royal Agricultural Society
 Journal of the Society of Antiquaries
 Journal of the Statistical Society
 London Quarterly Review
 Manchester Quarterly
 Mind
 Modern Review
 Navy List
 Numismatic Chronicle and Journal
 Popular Science Review
 Quarterly Journal of the Geological Society
 Quarterly Journal of Microscopical Science
 Quarterly Review
 Revue Celtique
 Revue et Magazin de Zoologie
 Stray Feathers
 Sunday Review
 Traethodydd
 Westminster Review
 Zeitschrift für deutsche Philologie
 Zeitschrift für Ethnologie

MONTHLY.

All the Year Round
 American Naturalist
 Annals and Magazine of Natural History
 Antiquary
 Argosy
 Army List
 Art Journal
 Atlantic Monthly
 Band of Hope Review
 Banker's Magazine
 Beiblatter der Physik
 Belgravia
 Bibliographer
 Bibliothèque Universelle
 Biograph
 Blackwood's Magazine
 British Temperance Advocate

Cambridge Examiner
 Cassell's Magazine
 Catholic Presbyterian
 Century Magazine
 Chambers's Journal
 China Review
 Church Missionary Gleaner
 Church Missionary Intelligencer
 Church Missionary Juvenile Instructor
 Church Standard
 Clergyman's Magazine
 Congregational Magazine
 Congregationalist
 Contemporary Review
 Cornhill Magazine
 Daheim
 Day of Days
 Dietetic Reformer
 Ecclesiastical Observer
 Educational Times
 Englishwoman's Review
 Financial Reformer
 Fireside
 Florist and Pomologist
 Fortnightly Review
 Fraser's Magazine
 Gazette Archéologique
 Gazette des Beaux-Arts
 Gartenlaube
 Gentleman's Magazine
 Geological Magazine
 Good Words
 Hand and Heart
 Harper's Magazine
 Home Words
 Homœopathic World
 Indian Antiquary
 International Review
 Inventors' Record
 Irish Temperance Banner
 Journal of Conchology
 Journal of the Chemical Society
 Journal of Horticulture
 Journal of Science
 Leisure Hour
 Library Journal
 Liverpool Diocesan Gazette
 Livre, Le
 London Society
 Macmillan's Magazine
 Magazine of Art
 Mineralogical Magazine
 Month
 Musical Times
 Nautical Magazine
 New Church Magazine
 Nineteenth Century
 North American Review
 Orchestra
 Palatine Note-Book
 Petermann's Mittheilungen

MONTHLY—*Continued.*

Portfolio
 Printer's Register
 Printing Times
 Quiver
 Railway Guide
 Revue Archéologique
 Revue Britannique
 Revue Chrétienne
 Royal Astronomical Society's Monthly Notices
 Royal Geographical Society's Journal
 Sanitary Engineering
 Science Gossip
 Shorthand Magazine
 Sunday at Home
 Sunday Magazine
 Temple Bar
 Theatre
 Tinsley's Magazine
 Tonic Sol-fa Reporter
 Truthseeker
 United Service Magazine
 Western Antiquary
 Women's Suffrage Journal
 Yachting Magazine
 Zoologist
 Zoophilist

FORTNIGHTLY.

Annalen der Physik
 British and Colonial Printer and Stationer
 Dingler's Polytechnisches Journal
 Gazette des Architectes
 Intermédiaire
 Liebig's Annalen der Chemie
 Revue des Deux Mondes
 Unsere Zeit

WEEKLY.

Academy
 American Settler
 Anglo-American Times
 Architect
 Athenæum
 British Architect
 Broad Arrow
 Builder
 Builders' Weekly Reporter
 Building News
 Cambridge University Reporter
 Chemical News
 Christian Commonwealth
 Church of England Temperance Chronicle
 Chronique des Arts

WEEKLY—*Continued.*

Civilian
 Colonies
 Comptes Rendus
 Draper
 Economist
 Electrical Review
 Electrician
 Engineer
 Engineering
 English Mechanic
 Era
 Estates Gazette
 Field
 Fun
 Gardeners' Chronicle
 Graphic
 Illustrated London News
 Iron
 Iron and Coal Trades Review
 Jewish Chronicle
 Journal of Gas Lighting, &c.
 Journal of the Society of Arts
 Journal of the Vigilance Association
 Judy
 Knowledge
 Lancet
 Land and Water
 Lantern
 Law Times
 Liberal Review
 Local Government Chronicle
 London Gazette
 Mining Journal
 Musical and Dramatic World
 Nature
 Naval and Military Gazette
 Notes and Queries
 Oxford University Gazette
 Pharmaceutical Journal
 Pictorial World
 Porcupine
 Public Opinion
 Punch
 Railway Journal
 Railway Review
 Saturday Review
 Scientific American
 Spectator
 Sydney Mail
 Temperance Record
 Truth
 Volunteer Service Gazette
 Vanity Fair
 Weekly Notes
 World

DONATIONS.

The following donations have been received during the year :—

- ABERDEEN MECHANICS' INSTITUTION :—
Report, 1881-2.
- AUDSLEY, W. and G. (the Authors) :—
Outlines of Ornament in the Leading
Styles.
- BAINBRIDGE, R. B. ROYAL COURT
THEATRE, LIVERPOOL :—Playbills, &c.,
1882.
- BARROW-IN-FURNESS FREE PUBLIC
LIBRARY :—Catalogue, compiled by
John Frowde, Librarian; Juvenile
Catalogue; The Free Library and its
Catalogue : a Lecture by Rev. J.
Macmillan.
- BARTLETT, WILLIAM (the Compiler) :—
Catalogue of a Collection of Old Wedge-
wood Ware.
- BELL, H. T. MACKENZIE (the Author) :—
Verses of Varied Life (2 Copies).
- BELOE, C. H. :—Annual Report of the
United States Life Saving Service,
1881.
- BIGGS, MRS. :—Vivisections, by W. G.
Gimson, M.D. (4 Copies); Vivisection,
by George Macilwain; and other
papers on Vivisection.
- BIRKENHEAD LITERARY AND SCIENTIFIC
SOCIETY :—Report, 1881-2.
- BIRMINGHAM FREE PUBLIC LIBRARY :—
Birmingham Books in the Reference
Department, 1881.
- BOSTON (U.S.A.) ATHENÆUM LIBRARY :—
Catalogue, 1807-71, Compiled by C. A.
Cutter (pp. 3005 to end).
- BOSTON (U. S. A.) PUBLIC LIBRARY :—
Bulletins, Nos. 60-63.
- BOULT, JOSEPH. —The Security of English-
men's Lives, by John L. Somers.
- BOWES, JAMES L. (the Author) :—Japanese
Marks and Seals.
- BRADSHAW, HENRY (the Author) :—
Notice of a Fragment of the Fifteen
Oes and other Prayers, printed by
Caxton : The Skeleton of Chaucer's
Canterbury Tales; The University
Library, Cambridge; Address at the
Opening of the 5th Meeting of the
Library Association, Cambridge, Sept.,
1882.
- BRITISH ASSOCIATION FOR THE ADVANCE-
MENT OF SCIENCE :—Report, York
Meeting, 1881.
- BRITISH MUSEUM TRUSTEES :—Catalogue
of Printed Books, 27 Parts; Facsimile
of the Codex Alexandrinus : New
Testament and Clementine Epistles;
Catalogue of Ancient MSS. Pt. 1,
Greek; Catalogue of the MSS. in the
Spanish Language, Vol. 3; Catalogue
of Birds, Vol. 6; Catalogue of the
Batrachia Salientia; Catalogue of the
Fossil Foraminifera; Catalogue of
Oriental Coins, Vol. 7; Prints and
Drawings, Pt. 1, Italian Prints; List
of Hymenoptera, Vol. 1.
- CASTELLAIN, ALFRED, J.P. —Journal of
the Royal Agricultural Society, Vol. 18,
Pt. 2.
- CHAMBERLIN, T. C., CHIEF GEOLOGIST,
WISCONSIN :—Geology of Wisconsin.
Survey, 1873-9, Vol. 3 and Atlas.
- CINCINNATI PUBLIC LIBRARY :—Bulletin,
1881.
- CLARKE, HYDE (the Author) :—Early His-
tory of the Mediterranean Populations.
- COBDEN CLUB :—The A B C of Free
Trade, by E. N. Buxton (12 Copies);
England under Free Trade, by G. W.
Medley; Financial Reform Almanac,
1882 (12 Copies); Free Trade v. Fair
Trade, by T. H. Farrer (40 Copies);
Life of Richard Cobden, by John
Morley (3 Copies); Pleas for Protection
Examined, by A. Mongredien (100
Copies); Local Government and Taxa-
tion : Essays (3 Copies); Popular
Fallacies regarding Trade and Foreign
Duties, by E. R. Pearce (6 Copies);
Transfer of Land by Registration, by
Sir R. Torrens (6 Copies).
- CONSTANTINE, JOSEPH (the Author) :—
Practical Ventilation and Warming
(3 Copies).
- CORNELL UNIVERSITY (U. S. A.) :—
Library Catalogue, Vol. 1, No. 3.
- DONALDSON, JAMES (the Author) :—Prac-
tical Guide to the Use of Marine
Steam Machinery.
- ELCHO, LORD, M.P. (present Earl of We-
mss) :—Self-Help v. State-Help.
- EMERY, FRANK, PRINCE OF WALES
THEATRE, LIVERPOOL :—Playbills, &c.,
1882.
- ENTWISTLE, PETER :—Abridgment of the
History of England, by Dr. Goldsmith.
- EVANS, HUGH :—The Latin Prayer-Book
of Charles II., by C. and W. W.
Marshall.
- FINANCIAL REFORM ASSOCIATION, LIVER-
POOL :—Financial Reform Almanack,
1882; Financial Reform Tracts.
- FINE ART SOCIETY, LONDON :—Notes on
Exhibitions held by the Fine Art
Society.
- FORWOOD, W. B., J.P. :—Memorial
Volume of the Royal Visit to Liver-
pool, September, 1881.
- FOX, CHARLES (the Author) :—The Salva-
tion Armyists no Quakers.
- FRASER, JAMES :—Surveyors' Reports of
Township Surveys in Manitoba, &c.,
with Maps.

DONATIONS—(Continued.)

- GATTY, C. T., F.S.A. (the Author):—The Liverpool Potteries.
- GILLMORE, HENRY C.:—Liverpool Mercantile Gazette and Myers' Weekly Advertiser, 15 Vols.
- GLASGOW, STIRLING'S PUBLIC LIBRARY:—Supplementary Catalogue, 1871-81.
- GOVER, REV. WILLIAM, M.A. (the Author):—Proposals for the Revision of the Education Code of 1881.
- GRANNELL, DENNIS, ROTUNDA THEATRE, LIVERPOOL:—Playbills, &c., 1882.
- GREEN, S. S., WORCESTER, MASS.:—James A. Garfield: Eulogy, by Hon. G. F. Hoar.
- GREIG, MAJOR J. J., C.B.:—The Lockhart Papers, 2 Vols.; Camden's Imperial History of England, 2 Vols.; and 45 other volumes.
- GREY, HENRY (the Author):—A Key to all the Waverley Novels.
- GRIMALDI, REV. A.B.:—Standard of Israel, 2 vols.; Miscellaneous Writings of Stacey Grimaldi, 3 vols.; Catalogue of Paintings, &c., by W. Grimaldi; Glover's Harbours of Refuge; Wilson's Mission of Elijah; and other Papers.
- GUTHRIE, MALCOLM (the Author):—On Mr. Spencer's Unification of Knowledge.
- HALLAM, JOHN (the Author):—Notes on Free Libraries and Books, &c.
- HARTNUP, JOHN (the Author):—Report of the Astronomer to the Mersey Docks and Harbour Board, 1875-8.
- HARVARD COLLEGE, CAMBRIDGE, U.S.A.:—Library Bulletins, Nos. 21-23; Memoirs of the Museum of Comparative Zoölogy, Vol. 7, No. 2, Pt. 2; Bulletins of the Museum of Comparative Zoölogy, Vol. 6, Pt. 2, No. 12, Vol. 9, Nos. 6-8; Annual Report of the Curator, 1880-1; 4th Report of the Librarian, 1881.
- HIBBERT, James (the Editor):—Brief Inquiry concerning Human Knowledge and Belief (2 copies).
- HIGGINS, W. H., M.B. (the Author):—Names of the Stars and Constellations.
- HISTORIC SOCIETY OF LANCASHIRE AND CHESHIRE:—Transactions, Vol 33.
- HODGES, FIGGIS & Co. (the Publishers):—Dublin University Calendar, 1882, and Examination Papers, 2 Vols.
- HOWARD ASSOCIATION:—Report, 1881; Vagrancy and Mendicancy: a Report; The Boarding-Out System.
- HUGHES JOHN L. (the Author):—Dry-Plate Photography.
- INCORPORATED LAW SOCIETY:—Calendar, 1882.
- INDIA, THE RT. HON. THE SECRETARY OF STATE FOR:—Sacred Books of the East, ed. by F. Max Müller, Vols. 8, 12, 13, and 16.
- INSTITUTE OF CIVIL ENGINEERS:—Minutes of Proceedings, Vols. 67-70
- INSTITUTION OF MECHANICAL ENGINEERS:—Proceedings, 1881-2.
- JACKSON, LUIS (the Author):—Relton Reggs, the Protectionist; New Political Economy (2 copies); The Big Mississippi Melon (3 copies); The Protectionist and Political Review, Nos. 1-4 (5 copies.)
- JEPSON, A. O. & Co. (the Publishers):—Mercantile Directory & Manufacturers' Guide, 1882.
- JESSE, GEORGE R. (the Author):—Violationism; Correspondence with Professor Owen on John Hunter, &c.; Correspondence with Charles Darwin on Experimenting on Living Animals; Evidence given before the Royal Commission on Vivisection.
- KENDRICK, J.W. (the Author):—Stomach Worship: a Growl from a Vegetarian.
- LACH-SZYMA, Rev. W. S. (the Author):—M. Sebillot's System as applied to Cornish Folk-Lore.
- LAIRD, EDGERTON K. (the Author):—Incidents of Travel in South Africa.
- LANCASHIRE AND CHESHIRE ENTOMOLOGICAL SOCIETY:—5th Annual Report.
- LAWRENCE, MRS.:—Poems, by W. S. Roscoe; Cameos from the Antique, by Mrs. Lawrence; The Poetical Primer, by Mrs. Lawrence; Scriptural and Historical Pictures, by Mrs. Lawrence.
- LEETE, JOSEPH:—The Family of Leete, by C. Bridger.
- LIBRARY REPORTS from the following Libraries:—Birkenhead; Birmingham Free Libraries; Birmingham Library; Blackpool; Bolton; Boston, U.S.A.; Bridgeport, Conn, U.S.A.; Brighton; Cambridge; Cardiff; Chester; Chicago, U.S.A.; Cincinnati, U.S.A.; Clitheroe; Copenhagen Royal Library; Derby; Doncaster; Dundalk; Dundee; Exeter; Germantown Friends' U.S.A.; Glasgow, Mitchell Library; Glasgow, Stirling's Library; Leamington; Leeds; Manchester; Middlesbrough; New York Astor; New York Mercantile; New York State; Newcastle-upon-Tyne; Newton, Mass., U.S.A.; Norwich; Philadelphia Mercantile; Plymouth; Preston; Richmond; Rochdale; Rotherham; Salford; San Francisco Mercantile; Sheffield; South Shields; Southport; Sunderland; Swansea; Sydney; Victoria; Walsall; West Bromwich; Westminster; Wigan; Wolverhampton; Worcester, Mass. U.S.A.
- LIVERPOOL CHEMISTS' ASSOCIATION:—Transactions, 1853-82.
- LIVERPOOL GEOLOGICAL ASSOCIATION:—Transactions, 1880-2; Ann. Report, 1882.

DONATIONS—(Continued.)

- LIVERPOOL INSTITUTE :—Fifty-seventh Annual Report ; Pennant's Tour in Scotland ; Aiken's Description of Manchester ; Foot's Life of Arthur Murphy ; and 9 other volumes.
- LIVERPOOL INSTITUTIONS, &c. :—Reports have been received from the following :—Auxiliary to the Army Scripture Readers' Society ; Auxiliary Bible Society ; Blue Coat Hospital ; Catholic Reformatory Association ; Clerks' Association ; Engineering Society ; Horticultural Association ; Juvenile Reformatory Association ; Royal Society for Prevention of Cruelty to Animals ; Shipwreck and Humane Society ; Training Ship "Indefatigable."
- LIVERPOOL LITERARY AND PHILOSOPHICAL SOCIETY :—Proceedings, Vol. 35.
- LIVERPOOL MEDICAL INSTITUTION :—Liverpool Medico-Chirurgical Journal, Nos. 2 and 3.
- LIVERPOOL MERCANTILE MARINE SERVICE ASSOCIATION :—Reporter, 1881, and Jan.-Aug., 1882 ; Report, 1882.
- LIVERPOOL NATURALISTS' FIELD CLUB :—Proceedings, 1881-2.
- LIVERPOOL PHILOMATHIC SOCIETY :—Proceedings, 1881-2.
- LOUGHBOROUGH, J. N. :—History of the Sabbath, by J. N. Andrews ; Harmony of Science and the Bible, by J. H. Kellogg, M.D.
- MCGOVERN, JOHN (the Author) :—A Pastoral Poem and other Pieces.
- MANCHESTER GEOLOGICAL SOCIETY :—Transactions, Vol. 16, Pts. 11-18, Vol. 17, Pts. 1-2.
- MANCHESTER MECHANICS' INSTITUTION :—Fifty-eighth Annual Report.
- MANCHESTER NATIONAL SOCIETY FOR WOMENS' SUFFRAGE :—Fifteenth Annual Report.
- MANCHESTER PUBLIC FREE LIBRARY :—Catalogue of Books in the Reference Library, Vol. 2, 1864-79, with Index, 3 Vols.
- MANCHESTER STATISTICAL SOCIETY :—Transactions, 1881-2.
- MARRAT, F. P. :—Entomologia Carniolica Giovanni A. Scopoli.
- MARSDEN & Co. (the Publishers) :—Anglo-Indian and American Traders' Journal.
- MARTIN, JOHN :—Diary of the Mission of James Johnston.
- MARPLES, JOSIAH :—Some Notes on the Last Months of the Life of Mary, Queen of Scots.
- MASON, THOMAS :—Letter Addressed to Mr. Henry Price, by John Stewart.
- MELBOURNE PUBLIC LIBRARY :—List of Newspapers, &c.
- MOLINEUX, GISBORNE (the Author) :—Memoirs of the Molineux Family.
- MORLEY, FREDERICK (the Compiler) :—Michigan and its Resources.
- MULLINS, J. D. :—Seven Local Pamphlets.
- NATAL GOVERNMENT EMIGRATION AGENCY :—Report upon the Coal Fields of Klip River, &c., Natal by F. W. North, F.G.S. ; Natal Almanac, &c., 1882.
- NATIONAL ASSOCIATION FOR THE PROMOTION OF SOCIAL SCIENCE :—Transactions, Dublin Meeting, 1881.
- NATIONAL SOCIETY FOR WOMENS' SUFFRAGE :—Report, 1882 ; Observations on Womens' Suffrage, by Viscount Harberton ; Womens' Suffrage in Wyoming, by J. W. Hoyt.
- NEW SOUTH WALES, AGENT-GENERAL FOR :—Ways and Means, New South Wales, 1881 ; New South Wales in 1881 ; The Technical or Working Mens' College, Sydney.
- NEW YORK STATE MUSEUM OF NATURAL HISTORY :—30th and 31st Annual Reports ; Descriptions of Bryozoa and Corals of the Lower Helderberg Group, by James Hall (2 Editions).
- NICKELS, JOHN T. & Co :—Liverpool Bill of Entry, 1841-80 (40 Vols).
- NORTH, F. W., F.G.S. (the Author) :—Report upon the Coal Fields of Klip River, &c., Natal.
- NORWEGIAN GOVERNMENT :—Norwegian North Atlantic Expedition, 1876-78, Pts. 4-7.
- NORWEGISCHEN COMMISSION DER EUROPÄISCHEN GRADMESSUNG :—Geodatische Arbeiten, Hefte 1-3 ; Vandstandobservationer, Heft 1.
- PACKARD, HON. S. B., U.S. CONSUL, LIVERPOOL :—Reports from the Consuls of the United States on the Commerce, &c., of their Consular Districts, Nos. 12-22.
- PALMER, ELLEN (the Author) :—The Temptation of Job.
- PANNELL, MRS. :—Acts of Parliament of the Reign of William III.
- PATENTS, THE COMMISSIONERS OF :—Specifications of Patents, 1880-81 ; Abridgements, 1881-2 ; Catalogue of the Library of the Patent Office ; Subject-Matter Index of Patents, 1880 ; Alphabetical Index of Patents, 1881.
- PATON, ALLAN P. (the Editor) :—The Hamnet Shakspeare, Pts. 6 and 7.
- PHILADELPHIA ACADEMY OF NATURAL SCIENCES :—Proceedings, 1880 and 1881.
- PICTON, SIR J. A. :—Topographical Description of Cumberland, &c., by John Housman ; Liverpool Magazine, 1816 ; The "Missing Link" Discovered, by A. M. Borean ; Success in Life, by Sir J. A. Picton.
- PITMAN, ISAAC :—Phonetic Journal, 1881

DONATIONS—(Continued.)

- PLANT, JOHN :—The First Charter of Salford, by J. E. Bailey ; Transcript and Translation of the Salford Charter.
- PLYMOUTH FREE LIBRARY :—Index-Catalogue of the Lending Department.
- POOLE, W. F. (the Author):—Report on the Progress of Library Architecture ; The Construction of Library Buildings.
- QUARITCH, BERNARD (the Compiler and Publisher):—Catalogue of Periodical Literature, &c., 1882.
- RATHBONE, WILLIAM, M.P.:—Local Government. Memoranda, 2 Pts. ; The Increased Earnings of the Working Classes : a Speech, by W. Rathbone. M.P.
- READE, T. MELLARD, C.E. (the Author):—The Relations of the Glacial Deposits of the Clyde and Forth, &c. Rivers.
- RICHARDSON, WILLIAM (the Author):—Lays of Ancient Greece and Rome ; Alma Mater, and other Poems.
- RIO DE JANEIRO NATIONAL LIBRARY (per P. H. Rathbone, J.P.):—Catalogo do exposição de Historia do Brazil.
- ROBSON, RICHARD :—Sundry Reports of various Charitable Institutions of Liverpool.
- ROCHDALE FREE PUBLIC LIBRARY :—Catalogue of the Lending Department.
- ROLLIT, A.K., LL.D. (the Author):—The Need of a Public Library for Hull.
- ROYAL ASTRONOMICAL SOCIETY :—Memoirs, Vol. 46 ; Monthly Notices, 1882.
- ROYAL COLONIAL INSTITUTE :—Proceedings, Vol. 13.
- ROYAL CORNWALL POLYTECHNIC SOCIETY :—Forty-Ninth Annual Report.
- ROYAL DUBLIN SOCIETY :—Scientific Transactions, Vol. 1, Series 2, Pts. 13 and 14 ; Scientific Proceedings, New Series, Vol. 2, Pt. 7 ; Vol. 3, Pts. 1-4.
- ROYAL INSTITUTE OF BRITISH ARCHITECTS :—Transactions, 1881-2 ; Proceedings, 1881-2 ; List of Members, 1882-3.
- ROYAL SOCIETY OF LONDON:—Philosophical Transactions, Vol. 172, Pts. 2 and 3, and Vol. 173, Pt. 1 ; List of Members.
- ROYAL SOCIETY OF VICTORIA :—Transactions, Vol. 18.
- SAKER, EDWARD, ALEXANDRA THEATRE, LIVERPOOL.—Playbills, &c., 1882.
- SAMUELSON, JAMES :—Histoire, Politique et Sociale, des Principales. Danubiennes, par E. Regnault ; La Roumanie, par A. Beaure et H. Matherel ; Notice sur la Roumanie, par P. S. Aureliano ; Romanische Studien, von R. Roesler ; Rumänien : Land und Volk, von Rudolf Henke ; With the Armies of the Balkans, by Lieut.-Col. Fife-Cookson ; and eleven other Volumes on Roumania.
- SHARPE, WILLIAM, M.D. (the Author):—Alcohol (2 Editions).
- SHEFFIELD FREE PUBLIC LIBRARY :—Catalogue of the Central Lending Department.
- SHERLOCK, FREDERICK (the Author):—Joseph Livesey: a Life Story (6 Copies).
- SINCLAIR, Alexander:—Centenary of the "Glasgow Herald."
- SMEAL, ROBERT (the Publisher):—Journal of John Woolman.
- SMITH, Walter (the Author):—Popular Industrial Art Education, &c.
- SMITHSONIAN INSTITUTION, U. S. A. :—Report of the Bureau of Ethnology, &c., 1879-80 ; Annual Report, 1880 ; List of Foreign Correspondents, Jan., 1882.
- SOCIETY OF ANTIQUARIES OF SCOTLAND :—Proceedings, 1880-1.
- SOCIETY OF ENGINEERS :—Transactions, 1881.
- SOUTH AUSTRALIAN INSTITUTE:—Annual Report, 1881-2.
- SPRATT, VICE-ADMIRAL T. A. B., C.B. (the Author):—Report on the Present State of the Navigation of the River Mersey, 1881 (6 Copies).
- STOCKER, J. R., M.B. (the Author):—On Sea Sickness.
- STRETTON, CLEMENT E. (the Author):—A Few Remarks on Railway Accidents.
- SUTTON, C. W. :—Lecture on Secular Business, by H. Griffiths ; The Saviour's Grace and Truth, by Rev. R. Tweddell ; Matilda di Shabran and Corrodino: an Opera (the words).
- SWANSEA CORPORATION :—Charters granted to Swansea, Translated, Illustrated, and Edited by G. G. Francis, F.S.A.
- TAYLOR, J. STOPFORD, M.D. (the Author):—Report on the Health of Liverpool, 1881 (2 Copies).
- THORNELY, James:—Shareholders' Certificate of the Herculaneum Pottery Company, Liverpool.
- THRUPE, G. A. (the Author):—History of the Art of Coachbuilding (2 Copies).
- TINNE, JOHN A., J.P.:—A collection of 29 Water-Colour Drawings of Views of Old Liverpool ; Illustrated London News, 2 Vols., 1881.
- TIRERUCK, WILLIAM (the Author):—Dante Gabriel Rossetti.
- UNITED STATES GOVERNMENT :—United States Coast and Geodetic Survey, 1878 ; United States Astronomical, &c., Observations, 1877 ; Instructions for Observing the Transit of Venus, 1882 ; United States Geographical Surveys, Vol. 7.

DONATIONS—Continued.

VACHER, FRANCIS (the Author):—Reports on the Sanitary Condition of Birkenhead, 1880 and 1881; The Transmission of Disease by Milk; The Transmission of Disease by Food; What Diseases are Communicated to Man from Diseased Animals used as Food? Health and Cleanliness: an Address; Sanitation at Boston, U. S. A.; Sanitation in Massachusetts.

VIGILANCE ASSOCIATION:—Eleventh Annual Report.

WALES, UNIVERSITY COLLEGE OF:—Calendar, 1882-3.

WALMSLEY, G. G.:—Sundry Liverpool Pamphlets.

WATHERSTON, E. J. (the Author):—Indian and other Foreign Productions in Silver (4 Copies); Our Iron Highways (2 Copies).

WESLEYAN CONFERENCE OFFICE:—Minutes of the Wesleyan Conference, Birmingham, 1879.

WORCESTER, MASS., U.S.A., PUBLIC LIBRARY:—Rules, Documents, &c.

YARKER, JOHN (the Compiler):—Genealogy of the Surname Yarker.

ZOOLOGICAL SOCIETY OF LONDON:—Transactions, Vol. 11, Pts. 6 and 7; General Index to Transactions, Vols. 1-10; Proceedings, 1831, Pt. 4, 1882, Pts. 1-3; Index to Proceedings, 1871-80; List of Fellows, 1882.

The following Periodicals, Newspapers, &c., have been presented regularly by the Publishers:—

American Settler
Anglo-American Times
Birmingham and Sheffield Hardware Circular
Bootle Times
British and Colonial Printer and Stationer
British Mercantile Gazette
British Temperance Advocate
Builders' Weekly Reporter
Cambridge Examiner
Catholic Times
Christian Commonwealth
Church of England Temperance Chronicle
Church Missionary Gleaner
Church Missionary Intelligencer
Church Missionary Juvenile Instructor
Church Standard
Clergyman's Magazine
Colonies
Congregationalist
Day of Days
Dietetic Reformer
Draper
Ecclesiastical Observer
Electrical Review
Englishwoman's Review
Estates Gazette
Financial Reformer
Fireside
Home Words
Homœopathic World
Insurance Gazette of Ireland
Insurance Times, New York
Inventors' Record
Irish Temperance Banner

Iron and Coal Trades Review
Journal of Dramatic Reform
Journal of the Statistical Society
Journal of the Vigilance Association
£. s. d.

Latest News

Liverpool Albion and Telephone

„ Courier
„ Echo
„ Express
„ Journal
„ Lantern
„ Liberal Review
„ Mercury
„ North End Times
„ Porcupine
„ Post

Musical and Dramatic World

Musical Education

Naval and Military Gazette

New Church Magazine

Newcastle Chronicle

North Times

Preston Herald

Railway Review

Sunday Review

Sydney Mail

Temperance Record

Tonic Sol-fa Reporter

Waterloo Times

West Derby and Wavertree Times

West Riding Machinery Mart

Women's Suffrage Journal

Zoophilist

LENDING LIBRARIES.

TABLE I.—General Statistics:—

	This Year.			Last Year.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Volumes lent	*189,102	204,789	393,891	222,212	200,839	423,051
Tickets issued to New Readers..	2,325	2,333	4,708	2,278	2,417	4,695
Tickets renewed	2,161	2,059	4,220	2,496	2,209	4,705
Tickets cancelled	2,513	2,574	5,087	2,719	2,683	5,402
Total No. of readers on the books	4,459	4,514	8,973	4,647	4,705	9,352
Books lost or injured, and paid for	34	29	63	47	37	84
Books lost	11	—	11	—	—	—
Volumes worn out—withdrawn..	596	482	1,078	228	239	467
Volumes worn out—replaced....	572	380	952	700	611	1,311
New volumes added	657	515	1,172	607	554	1,161
Total No. of vols. in the Libraries	21,965	22,391	44,356	21,717	22,262	43,971

* This Library was closed for Stocktaking, Painting, &c., from July 10th to 24th.

TABLE II.—Showing the Classification of Volumes Lent and Added:—

	Volumes Lent.			Volumes Added.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Theology, Moral Philosophy, &c.	3,418	3,668	7,086	31	15	46
Nat. Philosophy and Mathematics	2,845	3,248	6,093	13	14	27
Natural History	1,856	2,325	4,181	12	11	23
Science and the Arts	6,757	7,991	14,748	35	37	72
History and Biography	7,985	9,400	17,385	52	52	104
Topography and Antiquities ...	893	1,104	1,997	10	3	13
Voyages and Travels	4,668	4,953	9,621	23	19	42
Miscellaneous Literature	11,333	12,416	23,749	89	103	192
Jurisprudence, Law, and Politics	331	362	693	2	2	4
Commerce and Political Economy	660	535	1,193	6	4	10
Education, Logic, and Languages	1,871	1,340	3,211	7	5	12
Poetry and the Drama	1,238	2,218	3,456	16	18	34
Prose Fiction	144,956	154,680	299,636	361	231	592
Latin and Greek Classics	248	324	572	—	—	—
Books for the Blind	43	227	270	—	1	1
TOTAL	189,102	204,789	393,891	657	515	1,172

MUSEUM.

The Visitors to the Museum during the year have been as follows:—

	1882. 213 Days.	1881. 215 Days.
Total Visitors in the year	391,237	422,326*
Weekly average	7,523	8,121
Daily average	1,836	1,964

The 18th of October, 1882, was the 21st anniversary of the opening of the Museum in the present building.

The total number of Visitors during that time amounts to 9,079,175, giving a yearly average of 432,341.

* The number of Visitors in 1881 was greatly augmented by the Exhibition for several days of the objects presented by the Corporation and the Mersey Docks and Harbour Board to the Prince and Princess of Wales. The persons admitted on these days were 26,288 in excess of the numbers on the same days in 1882.

DONATIONS.

Four fine specimens of *Funiculina quadrangularis*, an elongated Coralline allied to the Sea Pens, dredged in 16 fathoms on the West Coast of Scotland in September, 1882, and presented by Mr. Francis Archer.

A remarkably fine Crinoid, probably undescribed; several collections of Corallines, including a fine specimen of *Melithæa ochracea*; specimens of Sponges and of soft-bodied Echinoderms, specimens of *Lepads*, *Ascidians*, *Actiniæ*, *Annelids*, and 80 specimens of Fish, collected at Singapore specially for the Museum, and presented by Surgeon-Major S. Archer, A.M.D.

The upper Jaw, with Tusks and Teeth, of a Walrus from the North Pacific; presented by Mr. John Thompson Bouch, per Captain J. H. Mortimer.

Specimens of Land and Freshwater Shells from Monte Video, and Marine Shells from Maldonado; presented by Mr. John F. Bourse, Monte Video, per Mr. P. H. Rathbone.

A collection of Eggs from the Falkland Islands (Gentoo Penguin, Steamer Duck, &c.); presented by Major H. Cautley, R.E.

Sixteen specimens of 10 species of Insects, including an Australian Wood Moth (*Xylocanthir staceyi*, Scott), and other rarities; 8 specimens of 5 species of Shells, 1 Sponge, and 2 colonies of large *Hydractinia*; presented by Mr. R. Cholmondeley, per the Rev. H. H. Higgins.

Specimens of 115 species of Land, Freshwater, and Marine Shells, and 20 Fossils, chiefly from Minorca; presented by M. Cardona, Port Mahon, per Mr. Frederick W. Earle, in exchange.

Skeletons and Bones of Bear, Dog, and other Vertebrates; from the Liverpool College, in exchange.

Thirty Insects (Bees, Beetles, &c.) and five Shells (*Ampullaria immersa*, *Ampullaria roissyi*, and *Anodonta*), from North Santa Fé, Parana River; collected and presented by Mr. B. Cooke, Jun.

A collection of Fossil Remains of *Glyptodon* and other extinct Mammals, chiefly collected in the district of Frey Bentos, Banda Oriental; presented by Mr. Ch. Croker, Frey Bentos, per Mr. P. H. Rathbone.

Four small Ammonites and four Fossil Shells from Copiapo; collected and presented by Mr. J. Dennick.

Specimens of Twaite Shad, *Alosa finta*, from Pwllheli; presented by Messrs. Duncan.

A collection of Shells and other specimens, chiefly Marine, obtained during a cruise to the Mediterranean, October, 1881, to June, 1882, principally from Minorca, Majorca, Corfu, Algiers, and Coast of Spain, including a group of Toilet and Bath Sponges attached to rock; a large specimen of *Pinna*, with other shells growing thereon; two specimens of coral, *Cladocera cespitosa*, from Corfu, and two specimens of silicified Palm from the "Petrified Forest," Cairo, collected and presented by Mr. F. W. Earle.

The Stem of a Gigantic Sea-Pen of the Family *Pennatulidæ*, measuring 6 feet in length when unbroken, brought from Newfoundland; and the Spine of a Shark; presented by Mr. George Eyre Evans.

An Ichneumon Fly from the top of Carnedd Dafydd, North Wales; collected and presented by Mr. Willoughby Gardner.

A Willow Wren from Knowsley; presented by Mr. G. D. Hale.

A large Ammonite twelve inches in diameter, and presenting special structural features of interest, from the Lower Chalk, near Turvey, Bedfordshire; presented by Mr. Hipwell, per the Rev. H. H. Higgins.

Specimens of Variegated Sole, Scald Fish, Boar Fish, &c., from Brixham; presented by the Rev. W. Houghton.

A Collection of Marine Specimens obtained on a voyage from Chili, including specimens and nests of the Fishing Frog; Rock Specimens from Chili; a Shearwater, *Puffinus*, and the Head of a Sooty Albatros, *Diomedea fuliginosa*; collected and presented by Capt. S. Griffith Jones, Barque "Hermine."

Four specimens of Two Species of Fossil Shells, *Bellerophon urii* and *Bellerophon decussatus*, from the Carboniferous Limestone, Carlisle, N.B.; presented by Mr. J. W. Kirby, per the Rev. H. H. Higgins.

Two Bats and twenty-five Bird Skins from Cape Coast Castle; presented by Mr. James Latham.

A Cobra da Capello, *Naja tripudians*, six feet in length, from Calcutta; presented by Captain T. C. M'Pherson.

Specimens of Fossil Fish, from Scotland; presented by Mr. Richard D. Mabin, in exchange.

Two sections from the Stem of a recent Tree Fern, found growing in a running stream of muddy water, near Melbourne, Australia, 1870; presented by Mr. R. W. Manning.

Two species of Freshwater Sponge, *Spongilla (Meyenia) asperrima*, and *Carterella tubisperma*, from Niagara River; presented by Mr. Henry Mills, per Mr. H. J. Carter, F.R.S.

A box of Fossils from the Cerro, Monte Video, containing an under jaw, a claw bone and toe bone, of large Edentate Mammal; four fragments of a large limb bone; and conglomerated masses of shells of *Ostrea*; collected and presented by Mr. Conrad Möller, Monte Video, per Mr. P. H. Rathbone.

Five specimens of Fossil Fish (two *Cheiracanthus*, one *Osteolepis major*, one *Pterichthys productus*, and one *Diplacanthus longispinis*) from the Old Red Sandstone, Lynat and Edderton Burn; and five specimens of Ammonites, from Lyme Regis; presented by Mr. G. H. Morton, F.G.S.

A Northern Stone Crab, *Lithodes maia*, from the Irish Sea; presented by Dr. J. Linton Palmer, R.N.

A collection of Sponges from Queensland; presented by Miss Amy Parker, per Miss H. K. F. Gatty.

Eight Specimens of Marble, cut and polished, from the Quarries of Kleber, near Oran, Algeria, the ancient Marmor Numidicus; presented by Colonel Playfair.

Thirty specimens of Salt Water Fishes, from Monte Video; two Hang Nests from Uruguay; eleven specimens of Shells; a Stony Freshwater Sponge; two Hair Balls, from cattle; two specimens of Chalcedony, enclosing fluid; a specimen of polished Marble, from Maldonado; and a large lower Jaw of a Fish; presented by Mr. P. H. Rathbone.

A Python or Rock Snake, *Python reticulatus*, from the Province of Wellesley, Straits Settlements; presented by Captain R. F. Scale.

The Skin of an Alligator from Darien, Georgia; presented by Mr. T. W. Sewell.

A Three-bearded Rockling, *Motella tricirrata*, from Hoylake; presented by Mr. Herbert Sharpe.

A large Hairy Caterpillar, the spines of which are dreaded by the Natives as poisonous, from New Calabar; presented by Mr. Thomas Sutherland.

A specimen of Jet from Whitby; presented by Mr. G. A. Tate.

A specimen of Sea Lily (*Pentacrinus*), dredged in 500 fathoms at Station 214, by the Challenger Expedition; presented by Sir Wyville Thomson, per Professor Herdman.

A specimen of the Vendace, *Coregonus Willoughbii*, found floating on Bassenthwaite Water, Cumberland, June 21, 1882; presented by Mr. F. T. Turton.

The Skin and Skull of a large Crocodile from Venezuelan Guiana, South America; presented by Senor José de Jesus Vigas, Caracas, per Mrs. F. W. Earle.

Twenty Bird Skins from Axim, Gold Coast, West Africa; collected and presented by Mr. R. B. N. Walker, F.R.G.S., Corresponding Member Literary and Philosophical Society, Liverpool.

A Collection of Marine Specimens, Dredgings and Soundings, obtained during a voyage between Liverpool and Valparaiso, chiefly from the Patagonian Bank and Valparaiso Bay; collected and presented by Capt. W. H. Cawne Warren, Associate of the Literary and Philosophical Society of Liverpool.

A living specimen of the Blind Worm, *Anguis fragilis*, from North Wales; presented by Mr. J. C. White.

Specimens of British Birds; presented by Mr. Thomas West.

A Collection of samples of Borings from the Sub-Wealden Boring Exploration at Netherfield, Sussex, 1872-76; presented by Mr. Henry Willett, F.G.S., per Mr. Charles Potter.

A Porcupine Fish, *Diodon hystrix*, from Port-au-Prince; presented by Capt. Williams, s.s. "Cuba."

A specimen of Dendritic Black Oxide of Manganese on Leptinite, or Whitestone, from Llanfairfechan Quarry, near Penmaenmawr; presented by Mr. William Williams, per Mr. J. B. Clarke.

A Collection of Bones from the Hyænine deposit in Kent's Cavern, amounting in all to 36 "finds," with exact references to each place of finding; presented by Lord Haldon (proprietor of the Cavern), and the British Association, per Mr. William Pengelly, F.R.S., Torquay.

PURCHASES.

The principal purchases have been as follows, many of the Vertebrates being for the Osteological Collection :—

A young Gorilla ; two heads of Proboscis Monkey, male and female ; a Tiger (for skeleton) ; a young Brown Bear ; an Irish Fox ; a Yaguarundi ; a Moufflon and Wild Cat from Candia ; two young Manatees ; lower Jaw of a Sperm Whale ; an American Tapir and a young Baird's Tapir ; a young Capybara ; a Coypu ; a rare Rodent (*Petrodromus*) ; a Great Ant-Bear (*Myrmecophaga jubata*) ; a Tree Kangaroo (*Dendrolagus inustus*), and a Mourning Kangaroo (*Dorcopsis luctuosa*), from New Guinea ; young specimens of Koala, Wallaby Kangaroo, and Bandicoot ; Skulls of young Walrus, Koala, &c.

A Sociable Vulture ; a young Hornbill ; an Ariel Toucan ; a new Kingfisher (*Clytoceryx rex*), from New Guinea ; specimens of the Maximilian Macaw, Red and Yellow Macaw, Saddle-billed Stork, Flamingo, Emeu, Rhea or American Ostrich ; and eight Skeletons of Passerine Birds.

Specimens of Limbless Reptiles and Lizards from Brisbane ; a Basilisk (*Basiliscus Americanus*) ; a Blue Shark (*Carcharias glaucus*), six feet in length, from the Coast of North Wales ; an Electric Ray, weighing 33 lbs., taken in a trawl-net off Morecambe Bay ; a Wolf Fish, and a Trigger Fish (*Balistes vetula*) ; skeletons of Menopome, Iguana, and Siluroid Fish (*Doras maculatus*), and disarticulated Skulls of Haddock and Hake.

Specimens of seven species of Invertebrates from Dr. Dohrn's Zoological Station at Naples, and two specimens of Coral, *Madrepora* and *Meandrina*.

Specimens of Fossil Fish, &c., from various formations, also Rhinoceros Jaw, Elephant's Teeth, and other Mammalian remains, from the final sale of the Collection of the late Prof. Tennant, F.G.S. ; Cave Breccia containing sternum and Bones of Birds ; and other Fossils.

Twenty-one specimens of eight species of Carboniferous Limestone Fossils, *Bellerophon*, *Natica*, *Cirrus*, &c., from Kendal ; one *Spongarium* from the Lower Ludlow of Benson Knott ; four Shells, *Tellina solidula*, from Grange ; specimens of Fossil Shells, Corals, Bryozoa, Conglomerate Sandstone, &c., from Humphrey Head, North Lancashire ; a collection of *Ammonites*, *Terebratulidæ*, *Rhynchonellidæ*, and specimens of *Modiola*, *Lima*, and other Fossil Shells from the Inferior Oolite near Turvey, Bedfordshire ; collected for the Museum by the Rev. H. H. Higgins.

FREE LECTURES.

The Seventeenth Winter Course of Free Lectures, forty in number, was delivered in the Rotunda Lecture Hall, in January, February, and March, 1882.

Total number of persons who attended the Lectures	41,295
Average per Lecture.....	1,032
Against 14,815 in 1881. Average attendance, 370.	

LIST.

Our Municipal Institutions: their Past and Future; by Sir J. A. Picton, F.S.A.

Animal Defences, with Illustrative Drawings; by Rev. H. H. Higgins, M.A.

Universities, Old and New; by Mr. G. H. Rendall, M.A., Fellow of Trinity College, Cambridge, Principal of University College, Liverpool.

The Basque Provinces of Spain: their History, Institutions and Laws; by Mr. Clements R. Markham, C.B., F.R.S., Secretary of the Royal Geographical Society.

The Practical Application of some of Faraday's Discoveries, illustrated by experiments; by Dr. Oliver J. Lodge, Professor of Physics and Mathematics, University College, Liverpool.

Elocution, Gesture, &c., illustrated by Recitals and Readings; by Mr. Henry Vandenhoff.

Sketches of the Public and Private Character of Edmund Burke; by Mr. J. MacCunn, M.A., Professor of Logic, Political Economy, &c., University College, Liverpool.

Our Ironclad Fleet and its Guns, illustrated by the Oxyhydrogen light; by Captain E. Stubbs, R.N.

Chemical Force, with experiments; by Mr. Edward Davies, F.C.S. John Howard, the Prison Philanthropist; by Rev. J. Burbidge.

On the History of the Jews in Spain and Portugal, their Persecution and Expulsion; by Rev. W. Stern, Ph.D.

Phosphorus and its Compounds, with experiments; by Mr. Edward Davies, F.C.S.

New Zealand: its Scenery, People, and Prospects, illustrated by the Oxyhydrogen light; by Mr. W. Lant Carpenter, B.A., B.Sc.

- On the Life-Saving Service of the United States of America ; by Mr. C. H. Beloe, M. Inst., C.E.
- On the Liverpool Ethnographical Collection ; by Mr. C. T. Gatty, F.S.A., Curator of the Mayer Museum.
- Crystallization, with experiments ; by Dr. George Tate, F.G.S.
- Solar Spots, with illustrations by the Oxyhydrogen light ; by Mr. R. C. Johnson, F.R.A.S.
- Socrates ; by Mr. A. C. Bradley, M.A., Fellow of Balliol College, Oxford ; Professor of Modern History and Literature, University College, Liverpool.
- A Trio of Modern Naturalists—Miller, Edwards, and Dick : the Story of their Lives, with Personal Reminiscences ; by Dr. G. Shearer.
- Some Notes of the Last Months of the Life of Mary Queen of Scots, hitherto unpublished in England ; by Mr. Josiah Marples.
- Readings from Shakespeare, Dickens, and other Authors ; by Mr. Robert Crompton.
- Division of Labour among Zoophytes and some other Composite Marine Animals ; by Dr. W. A. Herdman, F.L.S., F.R.S.E., Professor of Natural History, University College, Liverpool.
- Notes on the Shakespearian Characteristics of James Sheridan Knowles, with other Readings and Recitals ; by Mr. Samuel Pearce.
- Astronomy : its practical uses ; by Mr. James Gill.
- Life History of the Sea-Hare, and some of its kindred from the Mersey ; by Dr. J. Sibley Hicks, F.R.M.S.
- Combustion ; illustrated by experiments ; by Mr. Granville H. Sharpe, F.C.S.
- Navigation : how safety is secured ; rules for preventing Collisions ; by Mr. James Gill.
- Bach : his Times and Music, illustrated by Vocal and Instrumental Music ; by Mr. G. A. Audsley and Mr. H. A. Branscombe.
- Old English Life and Manners in the Feudal Age, with Photographs and Drawings of English Castles, shown by the Oxyhydrogen light ; by Mr. James Birchall.

Cheshire Salt: the Mode of its Formation and Geological Occurrence and Method of present Manufacture; by Mr. C. E. De Rance, Associate Inst. C.E., F.G.S., of H.M.'s Geological Survey.

The Moon: What it Is; What it Does; What it Tells; Comets and Shooting Stars; with Illustrations by the Oxyhydrogen light; by Professor Robert Ball, LL.D., F.R.S., Andrews Professor of Astronomy, University of Dublin, and Royal Astronomer of Ireland.

Old English Life and Manners in the Elizabethan Age, with Pictures of Baronial Halls, Timber Houses and Interiors, shown by the Oxyhydrogen light; by Mr. James Birchall.

Gleanings from the Local Collection of Books and Drawings in the Liverpool Free Public Library; by Mr. Peter Cowell, Chief Librarian of the Free Public Library

The Normans in Italy and Sicily; by Mr. W. J. Stewart, B.A.

Mendelssohn, his Times and Music, Illustrated by Vocal and Instrumental Music; by Mr. G. A. Audsley and Mr. H. A. Branscombe.

Art in the Homes of the People; by Mr. Charles Dyall, Curator of the Walker Art Gallery.

Field Sports of the Ancients; by Rev. W. Houghton, M.A., F.L.S.

Midnight Oil; by Mr. Edward R. Russell.

COURSES OF FREE AUTUMN LECTURES.

Three Experimental Lectures were delivered by Prof. J. Campbell Brown, D.Sc., University College, Liverpool, in the Rotunda Lecture Hall, in continuation of his previous Courses on the "Chemical Elements." The subjects treated of were *Silicon* and *Phosphorus*.

The total attendance amounted to 2,283, giving an average per Lecture of 761.

ENGLISH LITERATURE AND LANGUAGE FROM BEOWULF TO SHAKESPEARE.

A Course of Eight Lectures was delivered in the Rotunda Lecture Hall by Dr. W. Clarke Robinson, M.A., B.Sc., Lecturer and Examiner in Modern Literature and Languages in the University of Durham; and the attendance amounted to 3,487, giving an average of 435.

A Course of Four Lectures (one of which was repeated) on "Shakespeare—The Man—The Poet—The Dramatist—The Teacher"—was delivered by Mr. T. Hall Caine; the total attendances at which were 2,167, and the average 433.

The Liverpool School of Science has had the use of rooms as in former years, and the following courses of Lectures are being delivered in connection with the Department of Science and Art, South Kensington:—

Solid Geometry. By Mr. A. J. Briant.

Machine Drawing. Do.

Building Construction. Do.

Animal Physiology. By Mr. G. O. Chubb.

Botany. Do.

Agriculture. By Mr. C. F. Cooper.

MAYER MUSEUM.

REPORT.

During the past year two Catalogues have been issued in this Department of the Museum, one of the Prehistoric Antiquities and Ethnography, and the other of the Mediæval and later Antiquities, including the Mather collection of objects relating to the Bonaparte Family. A Catalogue of the Pottery and Porcelain is now in course of preparation. Considerable additions have been made to the Ethnographical Department, and a permanent gallery for the Ethnographical Collection is being provided in the extension of the Walker Art Gallery. Preparations are now being made for a Loan Exhibition of objects illustrating the History of Navigation, to be held during the present year in connection with this department.

DONATIONS.

Collection of Pottery and Glass, found in Cyprus; presented by Mr. C. M. Campbell, Stoke-on-Trent.

Group of Stone Implements, three Bone Fish Spear Heads, Lasso, Bow and Arrows, also a Saddle and Horse Trappings, from South America; brought and presented by P. H. Rathbone.

Pair of Pistols, formerly belonging to Colonel Martin; presented by Mr. Richard Ross.

Two pieces of wood from Captain Cook's ship "Adventure"; presented by Mr. Charles Baker, Master, s.s. "Thebes."

Pick, made from the Antler of a Red Deer, from the ancient flint workings at Grimes Graves, near Brandon, Norfolk; found and presented by Canon Greenwell.

Mummy of a Woman and Two Coffins, a very fine example of Egyptian painting. Dr. Birch considers that the name of the woman is Muteh, daughter of Ankh-Khonsu, superintendent of the house of Amen, who was son of Nas-pa-nub. The mummy is probably of the 19th dynasty (B.C. 1300 about) or possibly a little later, from Thebes. Brought to England by Lord John Churchill, formerly in the collection of Mr. David Pennant; presented by Lord Denbigh. (See Report for 1882.)

Liverpool Printed Jug; presented by P. H. Rathbone.

Japanese Specimens; presented by Dr. C. Dresser.

Bow, Skin Quiver, and six Arrows, three with glass heads, from Patagonia; presented by Mr. M. F. Buchner.

Collection of Implements, &c., from the Terra Del Fuegians of the Straits of Magellan, obtained through Mr. Bridges, the Missionary at Ushwai; presented by Captain Shannon.

Necklace of cut pieces of horn (?) from the Straits of Magellan; presented by Dr. Braidwood.

Six Japanese Bronze Mirrors; presented by Mr. Clarke.

Stone Axe-head, found in County Carlow, Ireland; presented by Mr. John Stephenson.

Stone Axe-head, from New Zealand; presented by Mr. John Cullen.

Eight Silver Coins, from Siam; presented by Mr. John Milne, Engineer, Siamese Navy.

Vase, in black pottery, from an ancient Peruvian grave; presented by Mr. M. F. Buchner.

Quaigh, made from a piece of one of the old oaken piles which formed part of the ancient drawbridge of Rothesay Castle; presented by Mr. R. M. Adam.

Specimens of Greek and Roman Terra-cottas, Coins, &c., from Corfu; presented by Rev. J. W. Hughes, English Chaplain, through Mr. F. W. Earle.

Three Spears, a Shield covered with tiger's skin, two Wands trimmed with goat's hair, and two Earrings of boar's teeth, brought from the Naga Hill Tribes between India and Burmah; presented by Captain C. E. Elliston, Bengal Staff Corps.

Club and Stone Axe-head, from Australia; presented by Miss Amy Parker.

Wooden image found near the old town of San Jose, near the coast of Peru, north of the Maccabi Islands; presented by Mr. Gilbert Hammill.

Three Mediæval specimens of Pottery found in Nottingham; presented by the Committee of the Castle Museum.

Plate in Pottery, made by Wedgwood, and redecorated in Holland; presented by Mr. Egerton Leigh, of High Leigh.

Pair of Oriental Slippers; presented by Mrs. Byrnes.

Group of Ethnographical Specimens, mostly from the South Seas ; presented by Mrs. Wansey, of Claughton.

Two Australian Stone Implements, one with a Wooden Handle ; presented by Miss Amy Parker, obtained through Mr. Pimock, Police Magistrate at Brisbane.

Stone Axe-head found in Rathvilly, Co. Carlow, Ireland ; presented by Mr. Thomas Jackson.

Chart of the Flags of all Nations, and seven Papers connected with Shipping in the last century ; presented by Mr. J. H. Gibson.

PURCHASES.

Model Canoe and Wooden Dog Bell, from West Africa.

Human Skull, found on the Cheshire shore.

Linen Smoother, probably from Iceland.

Two Iron Axes, from West Africa.

Seventeen Clay Pipe Heads, from Ashantee and Dahomy, West Africa.

Jug, with transfer-printed coat of arms upon it, probably Liverpool ware.

Chinese Compass.

Gold Ring, made by an Australian Native.

Portrait on enamel of "Horne Tooke."

Two Japanese Vases and a Porcelain Dish with a map of Japan upon it.

Inscribed Linen Smoother, from Iceland.

Five Japanese Ivory Netsukies.

Two Specimens of Japanese Pottery with splashed glazes, and a small Teapot.

Seven Japanese Printed Books.

Silver Ornament from Paraguay, South America.

Japanese Vase and a Freemason's Mallet in Pottery.

Eight South American Arrows.

Japanese Plate, with mythological subject, the Dragon Boat carrying the Seven Gods of Happiness.

Six Volumes of a Japanese Book.

Five Japanese Teapots, in Pottery.

Japanese Carved Wooden Figure, with ivory head and lacquer ornamentation on clothes.

Collection of (30) Kakemonas, or Japanese Paintings on Silk.

Carved Wooden Figure of Budda or Buddhist Saint.

Liverpool Printed Jug, with Masonic emblems and the legend "A Free Trade to Ireland."

Two Ivory Fetishes and a Kneeling Figure, from West Africa.

Carved Gourd, from West Africa.

Fetish of wood in shape of two figures standing back to back.

Six Japanese Sword Hilts, in iron, steel, and brass, inlaid with silver and gold.

Two Japanese Ivory and Wood netsukies.

Carved Wooden Figure of a Japanese deity.

Carved Cocoonut, probably from Venezuela, South America.

Leaden Ornament, with figures of the Virgin and Child upon it, found on the Cheshire shore forest bed.

Porcelain Mug, most probably of Liverpool manufacture, with a transfer-printed portrait of the Young Pretender upon it; also a small printed jug signed by the maker "ROBINSON, BURSLEM."

Snuff Horn, from South Africa.

Two Wooden Spoons, from West Africa.

Two Chinese Vases in porcelain, and two specimens of Japanese pottery.

Three Ivory Tusks, most probably from the River Niger, West Africa.

Very fine Axe, with stone head, from New Guinea.

Chinese Porcelain Punch-bowl, with English coat of arms and initials upon it, and two accompanying Punch Spoons.

New Zealand Carved Wooden Box.

Dulcimer, from the Asiatic Islands.

Liverpool Printed Pottery Jug.

Group of four Japanese carved wooden figures.

Model Canoe and Carved Gourd, from the River Congo, West Africa.

Silver Gilt Medal of the "Liverpool Pitt Club."

Bottle of Rough Pottery, from the Congo River, West Africa.

Japanese Cup, such as are used in the Tea Ceremonies.

Axe-head of Jade, from New Zealand.

Toby Fillpot Jug.

Silver Medal of Delhi.

Collection of Liverpool Medals, Tokens, Badges, &c.

Japanese Enamel.

Two Compasses with Dials, also two old maps and four engravings of Marine Battles.

Telescope, mounted in white vellum, and stamped with the royal arms.

Boomerang of wood, unusually large, from Australia.

Group of Stone Implements, from France

Silver Boatswain's Whistle, inscribed.

Printed Cream-ware Jug, with designs commemorating the American Independence, signed "F. MORRIS, SHELTON."

Mug, with printed designs upon it, a Portrait of Lord Nelson, and Map of the Battle of Trafalgar, also a List of Ships engaged in that action.

Eight Arrows, one Club, one Australian Sheild, and a Bechuana Axe.

Sun-dial and Compass, with the name, "D. BERRINGER," upon it.

Two Bronze Belts.

Club in Wood, from the Solomon Islands.

Piece of printed Tappa-cloth, from Fiji.

ON LOAN.

A valuable and interesting collection of Chinese Snuff Bottles, in Porcelain, Stone, and Wood; also a number of very fine Japanese Netsukies. Lent by Mr. Andrew Burman.

WALKER ART GALLERY.

THE Gallery has been open to the public on 259 days, and closed for cleaning and re-arrangement on 54 days.

470,243 persons have visited the Gallery during the year, being a daily average of 1,815. Of this number 69,786 paid for admission to the Autumn Exhibition, and the total also includes 6,952 pupils from schools of various denominations, admitted free by invitation of the Committee. There has been a considerable increase in the attendance of Art Students, who have the privilege of copying, under certain restrictions, the works forming the permanent collection, the average on the Students' day being 24, as against 14 last year.

The Descriptive Catalogue compiled by the Curator has met with a large sale, more than 11,000 copies having been sold since its publication in July, 1881.

The Committee acceded to a request from the Council of the Royal Academy to lend the picture by Rossetti, entitled "Dante's Dream," for the exhibition of that artist's works at Burlington House, where it has been accorded the place of honour. They have also lent to the Yorkshire Fine Art Society, Crofts' "Evening of the Battle of Waterloo," and "The Old Man's Treasure," by Prof. Carl Gussow. These will shortly be returned to their places in the collection.

In addition to the permanent collection, the following have been on view during the year:—

200 Drawings and Sketches by the late Henry Dawson, lent by the Executors.

Drawings and Sketches by the late J. M. W. Turner, lent by the Authorities of the National Gallery.

Six Drawings by the late John Burgess, lent by R. Aspa, Esq.

A collection of Drawings, illustrative of Ancient Liverpool, by the late W. G. Herdman, lent by R. Brown, Esq.

On August 11th, the use of the lower Rooms was granted to the Association for the "Reform and Codification of the Law of Nations," for the purpose of a *Conversazione*.

Several persons of distinction have visited the Gallery during the year, amongst others—

King Kalakaua, Hawaiian Islands.

Sir J. Whittaker Ellis, Lord Mayor of London, and Lady Ellis.

A Party of Officers and Men of H. M. Indian Contingent; and

Their Excellencies Ravoninahitriniarivo, Secretary of State for Foreign Affairs; Ramaniraka, Member of the Privy Council, and Secretaries of the Malagasy Embassy.

AUTUMN EXHIBITION OF PICTURES.

	1882.			1881.
Number of Pictures and other Works of Art exhibited	1,589			1,434
Number of Pictures sold....	311			315
Amount realised by sales	£7,868	3	6	£12,210 11 0
Season Tickets	2,592	476	1 0	2,557 475 14 0
Admissions at one shilling	28,693	1,430	3 0	28,695 1,434 15 0
Ditto sixpence.....	11,967	299	3 6	11,569 289 4 6
Ditto threepence.....	26,624	332	16 0	30,098 376 4 6
Catalogues sold.....		472	14 6	468 19 9
Commission on sales		362	8 9	523 7 6
Miscellaneous receipts		23	1 11	15 9 6
Amount received, exclusive of sales.....		3,010	18 0	3,044 17 9

The following Table will be read with interest by all concerned in the culture of Art:—

TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 12 YEARS, FROM 1871 TO 1882.

Year.	Admissions.			Season Tickets.	Catalogues Sold.		Commission on Pictures Sold.	Miscellaneous Receipts.		Total Receipts.	Pictures Sold.	
	One Shilling.	Sixpence.	Threepence.		£	s. d.		£	s. d.		No.	£	s. d.
1871	720 16 0	... ..	207 14 6	62 2 0	165 10 0	320 18 6	46 4 4	1,523 5 4	235	6,395 2 6	
1872	601 5 0	175 9 6	48 2 6	59 6 6	168 0 6	312 6 0	3 18 3	1,368 8 3	242	6,231 4 6		
1873	665 18 0	... ..	229 10 3	96 8 6	199 17 6	371 17 0	2 10 0	1,566 1 3	271	7,402 17 6	
1874	854 16 0	... ..	241 13 8	151 16 6	247 0 6	479 0 3	2 7 0	1,976 13 6	337	9,514 13 0	
1875	972 13 0	77 17 6	237 14 0	210 7 0	279 14 3	617 3 0	11 9 2	2,406 17 11	345	12,299 18 6		
1876	1,118 0 0	86 9 6	232 7 6	221 1 0	301 12 0	440 15 3	9 10 7	2,409 15 10	255	8,867 10 0		
1877	1,928 12 0	... ..	419 3 3	443 14 0	454 10 1	537 11 2	18 4 2	3,801 14 8	301	10,963 11 0	
1878	1,964 17 0	330 9 6	423 5 0	528 14 6	562 8 6	237 13 0	142 0 4	4,189 7 10	235	6,225 14 0		
1879	1,516 12 0	212 1 6	378 11 9	566 7 6	504 9 3	364 16 0	7 17 0	3,550 15 0	267	9,159 15 0		
1880	1,449 11 0	274 4 6	439 19 6	499 16 0	509 7 3	544 3 3	10 17 7	3,727 19 1	271	11,753 7 6		
1881	1,434 15 0	289 4 6	376 4 6	475 14 0	468 19 9	523 7 6	15 9 6	3,583 14 9	315	12,210 11 0		
1882	1,430 3 0	299 3 6	332 16 0	476 1 0	472 14 6	362 8 9	23 1 11	3,396 8 8	311	7,868 3 6		
Total	14,657 18 0	1,745 0 0	3,567 2 0	3,791 8 6	4,334 4 1	5,111 19 8	293 9 10	33,501 2 1	3,385	108,892 8 0		

Out of 3,385 Pictures Sold during the last 12 years the Corporation of Liverpool Purchased 39 for their Permanent Gallery, the catalogue prices of which amounted to £14,340 10s.

It will be seen that the sales at the Autumn Exhibition have not realized so large an amount as those of last year, but the admissions and the issue of Season Tickets show no diminution in the popularity of the Exhibition.

ADDITIONS TO THE PERMANENT COLLECTION.

PURCHASED—

Oil Paintings :

Portrait of the late Harrison Ainsworth, Esq., by D. Maclise, R.A.

The Way in the Wood, by Lewis Pulinckx.

Maiwand : Saving the Guns, by R. Caton Woodville.

From the Liverpool Autumn Exhibition :

The Murray Firth, by John Fraser.

From the Liverpool Autumn Exhibition :

A Street in Brittany, by Stanhope A. Forbes.

From the Liverpool Autumn Exhibition :

Portrait of William Daniels, the Artist, as a Brigand, painted by himself.

Water Colour :

Stepping-Stones at Bettws-y-Coed, by C. Branwhite.

WORKS PRESENTED.

One Volume of Autotype Reproductions of Early Italian Prints (plates i.-xxx.), and Eleven Volumes illustrating the Ancient Marbles in the British Museum ; presented by the Trustees of the British Museum.

Oil Paintings :

"The Port of Liverpool," by Samuel Walters ; presented by Thomas Davies, Esq.

"Nature's Mirror" (landscape), by Peter Ghent ; presented by Malcolm Guthrie, Esq., J.P., and T. W. Oakshott, Esq.

Portrait of Charles MacIver, Esq., by Hubert Herkomer, A.R.A. ; presented by Subscription.

"Psyche in the Temple of Love," by E. J. Poynter, R.A. ; presented on behalf of the Local Committee of the Social Science Congress (Meeting in Liverpool, 1876), by William Crosfield, Esq., Treasurer, P. H. Rathbone, Esq., and A. Hornby Lewis, Esq., Hon. Secs.

The following oil paintings were presented by T. Arthur Hope, Esq., viz.:—

Venus beseeching Vulcan to Forge a suit of Armour for Eneas (from the collection of the late Don Miguel, of Spain), by Rubens.

The Holy Family. Artist unknown, supposed to be of the Bolognese School.

Landscape, by Francesco Casanova.

"The Rape of Europa," from the collection of the late Alexander Nowell, Esq., Underley Park, Westmoreland, by Romanelli.

Landscape, from the same collection, by Gaspar Poussin.

"A German Birthday in 1575," by C. Napier Hemy.

Marble Bust of the Duke of Wellington, by Matthew Noble, and

Marble Bust of the Hon. C. J. Fox, by J. Nolekens, R.A.; presented by Mrs. Tait, Executrix of the late James Carlyle, Esq.

Portrait of William Bennett, Esq., J.P., by W. B. Boadle; presented by Subscription.

Portrait of the late James Pownall (Bailiff of Liverpool), by Gambadella; presented by James Tapley Pownall, Esq.

Portrait of Sir Walter Scott, by Sir Edwin Landseer, R.A.; presented by Mrs. Tait, Executrix of the late James Carlyle, Esq.

Water Colour :

"Old Shaw's Brow," by W. H. Herdman; presented by Lucas P. Stubbs, Esq.

Marble Group :

"Florizel and Perdita," by Joseph Durham, A.R.A.; presented by Edmund Jardine, Esq.

Signed on behalf of the Committee,

J. A. PICTON,

CHAIRMAN.

PRESENTED

15 JUL. 1898





THIRTY-FIRST
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY
OF THE
CITY OF LIVERPOOL.



LIVERPOOL:
HENRY GREENWOOD, PRINTER, 32, CASTLE STREET.

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1884.

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For the Years 1883-84.

Committee.

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Curator of the Mayer Museum.

CHARLES T. GATTY.

Curator of the Walker Art Gallery.

CHARLES DYALL.

REPORT.

THIS Institution has now attained a magnitude and extent of operations which, at its inception, the most sanguine promoters could not have ventured to anticipate. The modest collection of 1852 has overstepped the limits of a mere library, and has developed into four great departments embracing the whole circle of Literature, Art, Antiquities, and Natural History.

The buildings devoted to the purpose have year by year expanded to meet the growing wants, and now constitute the largest Institution in the City, having its habitat in a series of connected buildings of considerable architectural display, the largest in extent, and the most comprehensive in their scope, of any kindred Institution in the kingdom.

The extension of the Walker Art Gallery, mentioned in the last Report, is now very near completion. The accommodation it will give for the future development of art in this district is unsurpassed. A grant of £5,500, which has been made during the past year by the City Council will defray the balance of the Building Contract, and thus relieve the Institution from any pecuniary incumbrance.

The adaptability of these buildings for social and public gatherings has been demonstrated on several occasions during the past year.

In August last the Medical Association of Great Britain held their Annual Conference in Liverpool, under the Presidency of A. T. H. Waters, M.D., when the rooms were placed at their service. On one of the evenings a brilliant *soirée* was held, which for comprehensiveness and attractions was almost unique.

In September the Library Association of the United Kingdom held their Sixth Annual Meeting within these walls. The Chairman of this Institution filled the office of President. The meetings were attended by delegates from all the Chief Libraries of the kingdom, amongst others—Mr. George Bullen and Dr. R. Garnett of the British Museum, Mr. Henry Bradshaw, Librarian to the University of Cambridge, Mr. Robert Harrison, of the London Library, &c. A *soirée* was given with great success by the Committee of this Institution, and visits were paid to the libraries of the Earl of Crawford, Haigh Hall, and of the Earl of Derby at Knowsley.

The Councils of the Medical Association and of the Libraries expressed in very cordial terms their sense of the kind reception accorded to them.

In addition to the two volumes of the Library Catalogue already in existence, a supplementary volume of the additions during the last three years is in the press, and will shortly be issued.

In response to a generally expressed desire a portion of the Brown Library has been fitted up as a Newsroom, well supplied with the London, the Provincial, and Local Newspapers. This has been duly appreciated by the public, the room being daily crowded with visitors.

Steps have been taken towards the establishment of Branch Reading Rooms in four different localities, in which object the Committee have been greatly aided by the courtesy of the School Board in allowing their School Rooms to be used for the purpose.

The particulars referring to each department will be found under their respective heads.

REFERENCE LIBRARY.

The Rooms having been closed for cleaning during an entire month, the returns have been necessarily diminished, but the average during the open period considerably exceeds that of any former year.

TABLE I.—Showing the books issued during the year:—

Classification.	Volumes.	Daily. Average.
Theology, Morals, &c.	17,086	67
Natural Philosophy, Astronomy, &c.	16,672	66
Natural History	6,417	25
Science and the Arts	25,266	99
History and Biography	20,694	81
Topography and Antiquities	6,471	25
Voyages and Travels	11,065	44
Miscellaneous Literature (principally collected Works, Magazines in Volumes, &c.)	119,767	464
Jurisprudence, Law, and Politics	4,364	17
Commerce, Political Economy, and Statistics	3,237	13
Education and Language	6,408	25
Poetry and Dramatic Literature	10,190	40
Prose Fiction	190,717	745
Latin and Greek Classics and Translations	3,584	14
Heraldry, Encyclopædias, and Works of Reference	24,481	96
Total	466,419	1,821

PICKTON READING ROOM.

Classification.	This Year.	Last Year.
Theology, Morals, &c.	17,086	18,174
Natural Philosophy, Astronomy, &c.	16,672	18,288
Natural History	6,417	6,961
Science and the Arts	25,266	27,405
History and Biography ..	20,694	24,230
Topography and Antiquities	6,471	6,458
Voyages and Travels	11,065	12,645
Miscellaneous Literature (principally collected Works, Magazines in Volumes, &c.)	41,758	46,592
Jurisprudence, Law, and Politics	4,364	4,372
Commerce, Political Economy, and Statistics ..	3,237	3,238
Education and Language	6,408	7,192
Poetry and Dramatic Literature	10,190	13,886
Latin and Greek Classics and Translations	3,584	4,471
Heraldry, Encyclopædias, and Works of Reference.	12,543	12,018
Total	185,755	205,930

BROWN READING ROOM.

Classification,	This Year.	Last Year.
Illustrated Periodicals in Volumes	78,009	71,931
Prose Fiction	190,717	207,342
Directories	11,938	18,145
Total	280,664	297,418

TABLE II.—Showing the issues of Quarterly and Monthly Magazines :—

Classification.	Magazines.	Daily Average.
Theology, Morals, &c.	845	3
Natural Philosophy, &c.	531	2
Natural History.....	589	2
Science and the Arts	938	4
Topography and Antiquities.....	503	2
Voyages and Travels.....	366	1
Miscellaneous Literature	105,474	412
Commerce, Political Economy, and Statistics.....	409	2
Education and Language	435	2
Total.....	110,090	430

TABLE III.—Showing the issue of Weekly Periodicals, &c. :—

Classification.	Periodicals.	Daily Average.
Natural Philosophy, &c.	1,594	6
Natural History.....	908	3
Science and the Arts.....	2,426	10
Miscellaneous Literature (principally illustrated and literary Periodicals)	200,314	783
Law and Politics	965	4
Commerce, Statistics, &c.	908	3
Total.....	207,115	809

Total Patents for Inventions consulted, 18,892. Daily average, 74.

RECAPITULATION OF TOTALS.

Volumes of Books.....	This Year	466,419	Last Year	503,348
Quarterly and Monthly Magazines..	„	110,090	„	79,784
Weekly Periodicals	„	207,115	„	211,796
Patents Consulted	„	18,892	„	16,129
Grand Total.....		*802,516		811,057

TABLE IV.—Showing the number and classification of works added during the year :—

Classification.	Volumes added.	Total Number in the Library.
Theology, Morals, &c.	122	6,262
Natural Philosophy, Astronomy, &c.	83	1,900
Natural History... ..	139	4,414
Science and the Arts.....	348	9,426
History and Biography.....	347	10,551
Topography and Antiquities	184	4,099
Voyages and Travels.....	108	4,523
Miscellaneous Literature (principally collected Works, Magazines, &c.)	641	17,511
Jurisprudence, Law and Politics	207	6,610
Commerce, Political Economy, &c.	50	980
Education and Language	31	1,327
Poetry and Dramatic Literature.....	75	3,466
Prose Fiction	60	5,471
Latin and Greek Classics and Translations	17	706
Heraldry, Encyclopædias, and Works of Reference	106	2,534
Local	144	144
Total.....	2,662	79,924

* This number shows a decrease of 8,541 issues from those of last year. But if we take the average issues during the last three years corresponding to the time the Library was closed this year for painting, &c. (viz., from June 15th to July 16th), we shall have a grand total 863,873, or an increase of 52,816.

The following is the List of Magazines and Periodicals illustrating
Tables II and III:—

QUARTERLY.

Annales des sciences naturelles
Anthropological Journal
Archæologia Cambrensis
Archæological Journal
British and Foreign Evangelical Review
British Quarterly Review
Calcutta Review
Church Quarterly Review
Dublin Review
Edinburgh Review
Geninen
Grevillea
Ibis
Journal de conchyliologie
Journal für Ornithologie
Journal of Anatomy
Journal of the British Archæological
Association
Journal of the Royal Agricultural Society
Journal of the Society of Antiquaries
Journal of the Statistical Society
Journal of Speculative Philosophy
London Quarterly Review
Manchester Quarterly
Mind
Modern Review
Navy List
Numismatic Chronicle and Journal
Popular Science Review
Quarterly Journal of the Geological
Society
Quarterly Journal of Microscopical
Science
Quarterly Review
Revue celtique
Revue et magasin de zoologie
Stray Feathers
Sunday Review
Traethodydd
Westminster Review
Zeitschrift für deutsche Philologie
Zeitschrift für Ethnologie

MONTHLY.

All the Year Round
American Naturalist
Annals and Magazine of Natural History
Antiquary
Argosy
Army List
Art Journal
Atlantic Monthly
Band of Hope Review
Banker's Magazine
Beiblatter der Physik
Belgravia
Bibliographer
Bibliothèque universelle
Blackwood's Magazine

British Temperance Advocate
Cambridge Examiner
Cassell's Magazine
Catholic Presbyterian
Century Magazine
Chambers's Journal
China Review
Church Missionary Gleaner
Church Missionary Intelligencer
Church Missionary Juvenile Instructor
Church Standard
Clergyman's Magazine
Congregational Magazine
Congregationalist
Contemporary Review
Cornhill Magazine
Daheim
Day of Days
Dietetic Reformer
Educational Times
English Illustrated Magazine
Englishwoman's Review
Financial Reformer
Fireside
Florist and Pomologist
Fortnightly Review
Gazette archéologique
Gazette des beaux-arts
Gartenlaube
Gentleman's Magazine
Geological Magazine
Good Words
Hand and Heart
Harper's Magazine
Hardware Circular
Home Words
Homœopathic World
Indian Antiquary
International Review
Inventors' Record
Irish Temperance Banner
Journal of Conchology
Journal of the Chemical Society
Journal of the Froebel Society
Journal of Horticulture
Journal of Science
Journal of the Vigilance Assoc.
Leisure Hour
Library Journal
Liverpool Diocesan Gazette
Liverpool Jewish Magazine
Livres, Le
London Society
Longman's Magazine
Macmillan's Magazine
Magazine of Art
Methodist Temperance Magazine
Mineralogical Magazine
Month
Musical Times
National Review

MONTHLY—Continued.

Nautical Magazine
 New Church Magazine
 Nineteenth Century
 North American Review
 Observatory
 Onward
 Orchestra
 Palatine Note-Book
 Petermann's Mittheilungen
 Portfolio
 Printer's Register
 Printing Times and Lithographer
 Quiver
 Railway Guide
 Revue archéologique
 Revue britannique
 Revue chrétienne
 Royal astronomical Society's Monthly Notices
 Royal Geographical Society's Journal
 Sanitary Engineering
 Science Gossip
 Shorthand Magazine
 Spelling Reformer
 Sunday at Home
 Sunday Magazine
 Temple Bar
 Theatre
 Tinsley's Magazine
 Tonic Sol-fa Reporter
 Truthseeker
 United Service Magazine
 Unserer Zeit
 Western Antiquary
 Women's Suffrage Journal
 Yachting Magazine
 Zoologist
 Zoophilist

FORTNIGHTLY.

Annalen der Physik
 British and Colonial Printer and Stationer
 Dingler's Polytechnisches Journal
 Ecclesiastical Observer
 Gazette des architectes
 Intermédiaire
 Liebig's Annalen der Chemie
 Revue des deux mondes
 Stone and Hardware Circular

WEEKLY.

Academy
 American Settler
 Anglo-American Times
 Anti-Vivisectionist
 Architect
 Athenæum
 British Architect
 British and Colonial Printer and Stationer
 Broad Arrow
 Builder
 Builders' Weekly Reporter
 Building News

WEEKLY—Continued.

Chemical News
 Christian Commonwealth
 Cambridge University Reporter
 Church of England Temperance Chronicle
 Chronique des arts
 Civilian
 Colonies
 Comptes rendus
 Draper
 Economist
 Electrical Review
 Electrician
 Engineer
 Engineering
 English Mechanic
 Era
 Estates Gazette
 Field
 Fun
 Gardeners' Chronicle
 Graphic
 Home Review
 Illustrated London News
 Iron
 Iron and Coal Trades Review
 Jewish Chronicle
 Journal of Gas Lighting, &c.
 Journal of the Society of Arts
 Judy
 Knowledge
 Lancet
 Land and Water
 Lantern
 Law Times
 Liverpool Review
 Local Government Chronicle
 London Gazette
 Mining Journal
 Money
 Nature
 Naval and Military Gazette
 Notes and Queries
 Oracle
 Oxford University Gazette
 Pharmaceutical Journal
 Pictorial World
 Porcupine
 Public Opinion
 Punch
 Railway Journal
 Railway Review
 Saturday Review
 Scientific American
 Spectator
 Sydney Mail
 Temperance Record
 Truth
 Volunteer Service Gazette
 Vanity Fair
 Weekly Notes
 World

DONATIONS.

The following donations have been received during the year:—

- ANDERSON, G.:—Biography of Charles Bradlaugh, by A. S. Headlington.
- ANDERSON'S COLLEGE, GLASGOW:—Calendar, 1881-2, 1883-4 (2 vols).
- ANONYMOUSLY:—Glimpse of the Great Secret Society; Life of William Penn, by S. W. Janney; Ontario: a New Fruit Colony, &c.; Passages from the Life and Writings of James Fox (3 copies); Passages from the Life and Writings of William Penn (3 copies); Report on the Necessity of Preserving and Replanting Forests, by R. D. Phipps; Robert Burns and the Ayrshire Moderates; Views of the Christian Doctrine held by the Religious Society of Friends (3 copies).
- ATHERSTONE, Miss M. E.:—The Fall of Nineveh (a Poem), by Edwin Atherstone (2 vols.); A Midsummer Day's Dream, etc., by Edwin Atherstone.
- ANTI-VIVISECTION SOCIETY:—The Vivisection Controversy, by the Earl of Shaftesbury, &c.
- BAIN, JAMES, LIBRARIAN, TORONTO:—Pleasant Places by the Shore, and in the Forests of Quebec.
- BAINBRIDGE, R. B., ROYAL COURT THEATRE, LIVERPOOL:—Playbills, &c., 1883.
- BARE, H. B. (the Author):—Suggestions for Students' Classes.
- BELOF, C. H.:—Annual Report of the United States Life Saving Service, 1882.
- BIRKENHEAD FREE LIBRARY:—Catalogue.
- BIRKENHEAD WATCH COMMITTEE:—Report of the Birkenhead Police Establishments, 1883.
- BIRMINGHAM FREE LIBRARY:—Reference Library Catalogue. Letter A.
- BLOOD, WILLIAM:—Schools and Teachers for the Children of the Working Classes.
- BLOWER, BENJAMIN (the Author):—The Mersey, Ancient and Modern (2 copies).
- BOSTON PUBLIC LIBRARY:—Bulletins Nos. 64-66, 1883.
- BRAMALL, HENRY (the Author):—The Mineral Resources of New Zealand; President's Address to the Liverpool Geological Association.
- BRITISH AND FOREIGN BIBLE SOCIETY:—From the Beginning, by M. E. R.
- BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE:—Report of the Southampton Meeting, 1882.
- BRITISH MUSEUM TRUSTEES:—Catalogue of Birds, vols. 7 and 8; Catalogue of Greek Coins, 2 vols.; Catalogue of Printed Books, 10 pts.; Catalogue of Prints and Drawings, Division I., vol. 4; Lutheran Exhibition, 1883, by George Bullen; Catalogue of Early Prints, vol. 2; Catalogue of the Batrachia Caudata and Apoda.
- BROWN, J. HENRY (the Author):—The Rambler's Calendar.
- BROWN, BARNES, & BELL, MESSRS.:—Sketches by "Buz."
- BROWN, EDGAR A.:—On Certain Physical Evils Induced by Over-Schooling.
- CANADA DEPARTMENT OF AGRICULTURE:—Canadian Patent Office Record, vol. 11.
- CASTELLAIN, A., J.P.:—Journal of the Royal Agricultural Society, vol. 19, pts. 1-2.
- CINCINNATI CHAMBER OF COMMERCE:—34th Annual Report.
- CINCINNATI PUBLIC LIBRARY:—Bulletin of Books.
- CLARK, HENRY (the Author):—William Roscoe and his Life.
- CLOCKMAKERS, THE WORSHIPFUL COMPANY OF, LONDON:—Some Account of the Company.
- CORDEN CLUB:—Financial Reform Almanack, 1883 (12 copies); Reform of the English Land System, by G. C. Brodrick.
- CORNELL UNIVERSITY, U.S.A.:—Library Bulletin, vol. 1, No. 5.
- COWELL, P., LIBRARIAN:—Beginners' Drill-Book of English Grammar, by James Burton.
- DARDENNE, EDWARD (the Compiler), PRÉFECTURE DE LA SEINE:—Commission des bibliothèques. Rapport.
- DAVIS, CHARLES E., F.S.A. (the Author):—The Mineral Baths of Bath.
- DIETETIC REFORM ASSOCIATION:—Ethics of Diet, by Howard Williams, M.A.
- DRESSER, FREDERICK (the Author):—Rice, its History, Culture, &c.
- DYKE, JOHN, CANADIAN GOVERNMENT AGENT, LIVERPOOL:—Ontario Agricultural Commission, 5 vols.; Tenant Farmers' Reports, 2 vols.; Handbook for Emigrants; and Miscellaneous Pamphlets on Canada.
- EDMONDS, E. M. (the Author):—Hesperas: Rhythm and Rhyme.
- EDMONDS, JOHN (the Author):—New System of Classification, &c.
- EMERY, FRANK, PRINCE OF WALES THEATRE, LIVERPOOL:—Playbills, &c., 1883.
- ENGINEERS, SOCIETY OF:—Transactions 1882.

DONATIONS—*Continued.*

- FINANCIAL REFORM ASSOCIATION:**—Financial Reform Almanack, 1883-4.
- FORWOOD, ARTHUR B., J. P.** (the Author):—The Dwellings of the Industrial Classes in the Diocese of Liverpool, and how to Improve them (2 copies).
- FROWDE, JOHN, PUBLIC LIBRARIAN, BARROW-IN-FURNESS:**—Addresses and Sermons, by Rev. H. McNEILE, D.D., and others.
- FRYER, ALFRED O.** (the Author): Cuthbert of Landisfarne: his Life and Times.
- FULTON, R. E.** (the Publisher):—Fulton's Commercial Directory, 1883.
- GORE, G., LL.D.** (the Author):—The Scientific Basis of National Progress.
- GRANNELL, DENNIS, ROTUNDA THEATRE, LIVERPOOL:**—Playbills, &c., 1883.
- GREY, HENRY** (the Author):—Bird's-Eye View of English Literature.
- GROJEVSKY, REV. L.:**—Hagadah for Passover; ed. by Rev. B. Spiers and Rev. L. Grojevsky.
- HARRISON, REGINALD, F.R.C.S.** (the Author):—Use of the Ambulance in Civil Practice.
- HARVARD COLLEGE, CAMBRIDGE, U.S.A.:**—Bulletin of the Museum of Comparative Zoology, vol. 10, Nos 5 and 6; Bulletin, vol. 7, Nos. 9 and 10; vol. 11, Nos. 1-4; Library Bulletin, Nos. 24 and 25; Memoirs of the Museum of Comparative Zoology, vol. 7, No. 2; vol. 8, No. 2; vol. 9, Nos. 1 and 2.
- HAYWOOD, G. R.** (the Author):—Direct Taxation.
- HEDLEY, GEORGE, LANCASTER:**—William Hedley: Inventor of Railway Locomotion on the Present Principle, &c. (2 copies).
- HENDRIC, MATTHEW:**—Mersey Missions to Seamen: Reports, 1881-2; Liverpool Scripture Readers' Society, 31st Report; Royal National Life Boat Institution Report, 1883.
- HERDMAN, PROF. W. A., D.Sc.:**—The Invertebrate Fauna of the Firth of Forth, by George Leslie and W. A. Herdman.
- HEYWOOD, J.** (the Publisher):—State Directed Emigration, by J. F. Boyd.
- HIBBS, REV. R., M.A.** (the Author):—Prussia and the Poor.
- HIGGIN, THOMAS:**—Zeitschrift für Wissenschaftliche Zoologie, Bde. 36-38.
- HIGGINS, REV. H. H.:**—Sithron the Star Stricken; transl. from an ancient Arabic Manuscript.
- HODGES, FIGGIS, & Co.** (the Publishers):—Dublin University Calendar, 1883; Dublin University Examination Papers.
- HOWARD ASSOCIATION:**—The Cellular System of Imprisonment; Social Wreckage, by Francis Peek.
- HOWARTH, ELIJAH** (the Author):—Visitors' Guide to the Sheffield Museum.
- HOWORTH, D. F., F.S.A.** (the Author):—The Natural Science in the Ashton-under-Lyne Free Library (2 copies).
- HUTCHINSON, M. L., J. P.:**—Hutchinson's Australian Almanac, 1883; Our Trip to Gippsland Lakes and Rivers; A Glance at Australia in 1880, by H. M. Franklyn.
- INDIA, THE RT. HON. THE SECRETARY OF STATE FOR:**—The Sacred Books of the East, vols. 14, 17, 18, 19, and 23.
- INSTITUTE OF CIVIL ENGINEERS:**—Minutes of Proceedings, vols. 72-74; Charter, By-Laws, &c., 1883.
- INSTITUTION OF MECHANICAL ENGINEERS:**—Proceedings. Nov. 1882, April 1883, and July 1883.
- JORDAN, A. J.:**—Home Education and its Influence: an Essay, by W. M. Patterson.
- KAY, FISHER, & Co.** (the Publishers):—London and Provincial Directory, 1883.
- KURTZ, A. G.:**—Roman de la rose, par G. de Lorris et J. de Meung, 5 vols; Works of Robert Hall, A.M., 6 vols.; and 7 other vols.
- LEWIS, J.** (the Author):—Nuggets and Gems.
- LIBERTY AND PROPERTY DEFENCE LEAGUE:**—Lord Bramwell on Liberty, and other Speeches.
- LIBRARY REPORTS FROM THE FOLLOWING LIBRARIES:**—Aston, Manor of, Barrow-in-Furness, Birmingham, Blackpool, Bolton, Boston, U.S.A., Bradford, Bridgeport, Conn., U.S.A., Brighton, Chicago, U.S.A., Copenhagen Royal Library, Doncaster, Dundee, Germantown Friends, U.S.A., Glasgow, Mitchell Library, Glasgow Stirling's Library, Halifax, Handsworth, Leamington, Leeds, Manchester, Middlesborough, New York Mercantile, Newcastle-upon-Tyne, Newton, Mass., U.S.A., Norwich, Plymouth, Preston, Richmond, Runcorn, St. Helens, St. Louis Public School, San Francisco, San Francisco Mercantile, Southport, Stoke-upon-Trent, Swansea, Sydney, Twickenham, Tyne-mouth, Victoria, Walsall, Wednesbury, West Bromwich, Westminster, Wigan, Wolverhampton, Worcester, Worcester, Mass., U.S.A.
- LIVERPOOL ARCHITECTURAL SOCIETY:**—Proceedings, 1881-1883.
- LIVERPOOL ASTRONOMICAL SOCIETY:**—Abstracts of Proceedings, 1882-3, and 1883-4, pts. 1 and 2.

DONATIONS—*Continued.*

- LIVERPOOL GEOLOGICAL ASSOCIATION:—Annual Report, 1883; Transactions, vol. 3.
- LIVERPOOL GEOLOGICAL SOCIETY:—Proceedings, vol. 4, pts. 4 and 5.
- LIVERPOOL INCORPORATED LAW SOCIETY:—Proceedings at the Annual General Meetings, 1880-82.
- LIVERPOOL INSTITUTIONS, &c.:—Reports have been received from the following: Amateur Photographic Association, Auxiliary Bible Society, Council of Education, Catholic Reformatory Association, Diocesan Institutions, Juvenile Reformatory Association, Microscopical Society, School for the Deaf and Dumb, School of Science, Shipwreck and Humane Society, Training Ship "Indefatigable."
- LIVERPOOL (LYCEUM) LIBRARY:—Annual Supplemental Catalogue.
- LIVERPOOL MEDICAL INSTITUTION:—Liverpool Medico-Chirurgical Journal, No. 5.
- LIVERPOOL NATURALISTS' FIELD CLUB:—Proceedings, 1882-3.
- LIVERPOOL PHILOMATHIC SOCIETY:—Proceedings, vol. 28.
- LIVERPOOL POLYTECHNIC SOCIETY:—Journals, 44th Session, 3rd-9th Meetings and Annual Report, 1882.
- LIVERPOOL UNIVERSITY COLLEGE:—Calendar, 1883-4 (3 copies).
- LIVERPOOL WATER COMMITTEE:—Nine Photographs of Vyrnwy Valley Water Works.
- LIVSEY, R. S. (the Editor):—Reminiscences of St. Philip's Church, Liverpool.
- LONDON AND NORTH-WESTERN RAILWAY CO.:—Official Tourist's Guide to the London and North-Western Railway (2 copies).
- MACFIE, R. A. (the Author):—Copyright and Patents for Inventions (2 copies); The Patent Bills of 1883 (2 copies); The Patent Bills of 1883, No. 2.
- MCGOVERN, JOSEPH H. (the Author):—Hints to Brewers, &c., on Making Alterations to, or Enlarging, or Building New Licensed Premises, &c.; Liverpool Compensations.
- MAITLAND, FOWLER (the Author):—Building Estates.
- MANCHESTER GEOLOGICAL SOCIETY:—Transactions, vol. 17, pt. 10.
- MANCHESTER STATISTICAL SOCIETY:—Transactions, 1882-3.
- MARRAT, F. P.:—Elementary Introduction to Mineralogy, by Wm. Phillips, 2nd, 3rd, 4th, and new editions (4 vols.); Geometrical Amusements, by J. H. Swale; Physiological Fragments, by John Bywater; *Traité général des conifères*, par E. A. Carrière.
- MARRIED WOMEN'S PROPERTY COMMITTEE:—Report of the Committee; Rights of Married Women.
- MARSHALL, GEORGE W. (the Author):—*Miscellanea Marescalliana*: being Genealogical Notes of the Surname of Marshall, vol. 1.
- MASON, THOS. (the Author):—Stirling's and Glasgow Public Library, Glasgow.
- MAXWELL, REV. W. J., M.A. (the Author):—Notes of a Visit to America.
- MERCANTILE MARINE SERVICE ASSOCIATION:—Report of the School Ship "Conway," 1883.
- MIDLAND RAILWAY CO.:—Official Guide to the Midland Railway.
- MILLAR, JAMES F.:—History of Rob Roy, by A. H. Millar.
- NATIONAL ASSOCIATION FOR THE PROMOTION OF SOCIAL SCIENCE:—Transactions, Nottingham Meeting, 1882.
- NEW SOUTH WALES, AGENT GENERAL FOR:—Customs Statistics for 1882; Financial Statement of the Colonial Treasurer, New South Wales; Statistical Return of the Australasian Colonies, 1881; Ways and Means, New South Wales, 1882 and 1883.
- NEWTON, A. V. (the Author):—Analysis of the Patents Act, 1883.
- NORWEGIAN GOVERNMENT:—Norwegian North-Atlantic Expedition, 1876-8, pts. 8-10.
- NOTTINGHAM FREE PUBLIC LIBRARY:—List of Books in the Children's Lending Library.
- OGDEN, J.; ROCHDALE:—Companion to the Liverpool Museum, 1809.
- PACKARD, HON. S. B., U.S. CONSUL, LIVERPOOL:—Reports from the Consuls of the United States on the Commerce, &c., of their Consular Districts, Nos. 21-32 and Index; Annual Report of Department of Statistics, State of Indiana; Professional Papers of the U.S. Signal Service, Nos. 2, 9, 10; Work of the U.S. Signal Service in the Arctic Regions; U.S. Monthly Weather Reports, May-Aug., 1883.
- PEABODY ACADEMY OF SCIENCE:—Memoirs, vol. 1, Nos. 1-6.
- PEABODY INSTITUTE, BALTIMORE:—16th Annual Report.
- PEARSON, REV. JAMES, M.A. (the Author):—The Computation of Tides; Treatise on Tides.
- PEORIA, ILL., PUBLIC LIBRARY:—The Library News, No. 5.
- PHILLIPSON AND GOLDER, MESSRS. (the Publishers):—Chester Diocesan Calendar, 1883.
- PITMAN, ISAAC, BATH:—Eighty-two Volumes, Sundry Pamphlets, &c.

DONATIONS—*Continued.*

- PITT AND SCOTT, MESSRS.:—Emigrants' Guide for 1883.
- POOLE, MRS. LOUISA:—Wilson's Tales of the Borders (3 vols.).
- PRESTON, EDWARD (the Author):—Unclaimed Money.
- PSYCHICAL RESEARCH, SOCIETY FOR:—Proceedings, pts. 1-3.
- QUEEN'S COLLEGE, LONDON:—Calendar, 1882-3.
- READE, T. MELLARD (the Author):—Drift of the North-West of England; On a Section of the Formby and Leasowe Marine Beds, &c.; A Traverse of the Yorkshire Drift.
- RIO DE JANEIRO, MUSEU NACIONAL DO:—Archivos, vols. 4 and 5.
- ROBINSON, S. (the Editor):—Persian Poetry for English Readers.
- ROYAL COLONIAL INSTITUTE:—Report of Proceedings, 1882-3.
- ROYAL CORNWALL POLYTECHNIC SOCIETY:—50th and Jubilee Report, 1882.
- ROYAL INSTITUTE OF BRITISH ARCHITECTS:—Transactions, 1882-3; Proceedings, 1882-3, Nos. 6-18, 1883-4, Nos. 1-5.
- ROYAL SOCIETY OF DUBLIN:—Scientific Transactions, Series 2, vol. 1, pts. 15-19; vol. 2, pt. 2; Scientific Proceedings, vol. 3, N.S. pt. 5.
- ROYAL SOCIETY OF LONDON:—Philosophical Transactions, vol. 173, pts. 2-4; vol. 174, pt. 1.
- ROYAL SOCIETY OF VICTORIA:—Transactions and Proceedings, vol. 19.
- ROYAL UNIVERSITY OF NORWAY:—Die Anämie, von S. Laache; Die lateinische partikel "ut," von Bastian Dahl.
- ST. HELEN'S FREE LIBRARY:—Catalogue, pts. 1 and 2.
- ST. LOUIS PUBLIC SCHOOL LIBRARY:—Bulletin, Nos. 22-24.
- ST. MARGARET'S INSTITUTE, LIVERPOOL:—Catalogue of the Lending Library.
- SAKER, MRS. EDWARD, ROYAL ALEXANDRA THEATRE, LIVERPOOL:—Playbills, &c., 1883.
- SAMUELSON, JAMES:—Cestuiunea Dunarei: Acte si documente, 1792-1883 (in French).
- SHEARER, GEORGE, M.D. (the Author):—Opium Smoking and Opium Eating: their Treatment and Cure.
- SHOOLBRED, JAMES N. (the Author):—The Measurement of Electricity.
- SIGNET LIBRARY, EDINBURGH:—Catalogue of Printed Books, 2 vols.
- SMITHSONIAN INSTITUTION:—Smithsonian Miscellaneous Collections, vols. 22-27; Annual Report, 1881.
- SMYTH, NATHANIEL (the Compiler):—Drink Map of the City of Liverpool.
- SNAPE, THOMAS (the Author):—The Growth of Democratic Power.
- SOCIETY OF ANTIQUARIES OF SCOTLAND:—Proceedings, vol. 4, N.S.
- SOUTH AUSTRALIAN INSTITUTE:—Annual Report, 1882-3.
- SUTTON, C. W., PUBLIC LIBRARIAN, MANCHESTER:—An Account of Ether, by M. Turner; First Lessons in Latin Reading, by MacGowan; 6 Local Pamphlets.
- SZYRMA, REV. W. S. LACH, M.A. (the Author):—Cornish Proverbs; Notes on the Churchyard of St. Hilary, Cornwall; Notes on the Borough Records of the Towns of Penzance, Marazion, &c.
- TATE, JOHN, PORTADOWN (the Author):—New Theory of Electricity; The Universe; The Sun: its Constitution, etc.
- TINNE, JOHN A., J.P.:—Illustrated London News, 2-1882, 1-1883; Mitford's History of Greece (large paper), 5 vols; Acts of Parliament on the Alt Drainage; Liverpool Police Force Instructions (2nd ed.); and a Collection of Local Pamphlets.
- TRINITY COLLEGE, LONDON:—Calendar, 1883-4.
- UNITED STATES' GOVERNMENT:—Annual Report of the Comptroller of the Currency, 1881 (2 copies); Astronomical and Meteorological Observations made at the United States' Naval Observatory, 1876, 1878, and 1879, Appendix II., 1879 (4 vols.); United States' Coast and Geodetic Survey, Reports for 1879, 1881, and 1882 (4 vols.); United States Compendium of the 10th Census, 1880 (2 vols.); Report upon the United States Geographical Surveys, West of the 100th Meridian (vol. 3); War Department Library: Alphabetical Catalogue.
- VACHER, FRANCIS, M.D. (the Author):—Tenement Hospitals; Report on the Sanitary Condition of the Borough of Birkenhead, 1882.
- VICTORIA PUBLIC LIBRARY, MELBOURNE:—Catalogue (2 vols.).
- VIGILANCE ASSOCIATION:—Twelfth Annual Report.
- WALES, UNIVERSITY COLLEGE OF:—Calendar, 1883-4.
- WALFORD, CORNELIUS (the Author):—King's Briefs: their Purposes and History.
- WALMSLEY, G. G.:—Haining's Guide to the Isle of Man; Albert Fox, the Devout Merchant; Orchard's Clerks of Liverpool.

DONATIONS—*Continued.*

WARREN, J. H., M.D. (the Author):—
Hernia, Strangulated and Reducible.
WILSON, W. & SON, LIVERPOOL:—Mercan-
tile Directory of the World: Liverpool
Section, 1883-4.
WINCHELL, N. H., STATE GEOLOGIST,
MINNESOTA:—Geological and Natural
History Survey of Minnesota: Ninth
Report.

YORK SUBSCRIPTION LIBRARY:—Appendix
to Catalogue, 1882.

ZOOLOGICAL SOCIETY OF LONDON:—Trans-
actions, vol. 11, pts. 8-9; Proceedings,
1882, pt. 4; 1883, 1-3; List of
Fellows, 1883; List of the Vertebrate
Animals, 1883.

The following Periodicals, Newspapers, &c., have been presented
regularly by the publishers:—

American Settler
Anglo-American Times
Birmingham and Sheffield Hardware
Circular
Bootle Times
British and Colonial Printer and Stationer
British Mercantile Gazette
British Temperance Advocate
Builders' Weekly Reporter
Cambridge Examiner
Catholic Times
Christian Commonwealth
Church of England Temperance Chronicle
Church Missionary Gleaner
Church Missionary Intelligencer
Church Missionary Juvenile Instructor
Church Standard
Clergyman's Magazine
Colonies
Congregationalist
Day of Days
Dietetic Reformer
Draper
Ecclesiastical Observer
Electrical Review
Englishwoman's Review
Estates Gazette
Financial Reformer
Fireside
Herald of Health
Home Review
Home Words
Homœopathic World
Insurance Gazette of Ireland
Insurance Times, New York
Inventors' Record
Irish Temperance Banner
Iron and Coal Trades Review

Journal of Dramatic Reform
Journal of Speculative Philosophy
Journal of the Statistical Society
Journal of the Vigilance Association
£. s. d.
Liverpool Albion and Telephone
" Catholic Times
" Courier
" Echo
" Express
" Jewish Magazine
" Journal
" Mercury
" North End Times
" Porcupine
" Post
Methodists' Temperance Magazine
Money
Musical Education
Naval and Military Gazette
New Church Magazine
Newcastle Chronicle
North Times
Onward
Oracle
Preston Herald
Railway Review
Sunday Review
Sydney Mail
Temperance Record
Tonic Sol fa Reporter
Waterloo Times
West Derby and Wavertree Times
West Riding Machinery Mart
Women's Suffrage Journal
Worcestershire Herald
Zoophilist

LENDING LIBRARIES.

TABLE I.—General Statistics:—

	1883.			1882.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Volumes lent	202,710	176,102	378,812	189,102	204,789	393,891
Tickets issued to New Readers..	2,296	2,139	4,435	2,325	2,383	4,708
Tickets renewed	2,142	1,894	4,036	2,161	2,059	4,220
Tickets cancelled	2,344	2,538	4,882	2,513	2,574	5,087
Total No. of readers on the books	4,411	4,155	8,526	4,459	4,514	8,973
Books lost or injured, and paid for	25	27	52	34	29	63
Books lost	—	—	—	11	—	11
Volumes worn out—withdrawn..	—	—	—	596	482	1,078
Volumes worn out—replaced....	443	411	854	572	380	952
New volumes added	513	488	1,001	657	515	1,172
Total No. of vols. in the Libraries	22,478	22,579	45,357	21,965	22,391	44,356

TABLE II.—Showing the Classification of Volumes Lent and Added:—

	Volumes Lent.			Volumes Added.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Theology	3,642	2,958	6,600	16	10	26
Natural Philosophy	2,969	2,686	5,655	5	7	12
Natural History	2,225	2,122	4,347	13	11	24
Science and the Arts	8,358	7,024	15,382	31	27	58
History and Biography	9,239	7,867	17,106	40	43	83
Topography and Antiquities	1,062	857	1,919	7	8	15
Voyages and Travels	5,740	4,652	10,392	32	33	65
Miscellaneous Literature	12,463	10,301	22,764	109	111	220
Jurisprudence, Law, and Politics	402	309	711	1	2	3
Commerce and Political Economy	593	515	1,108	8	3	11
Education, Languages, and Logic	1,868	1,230	3,098	5	3	8
Poetry and the Drama	1,229	1,721	2,950	14	12	26
Prose Fiction	152,683	133,284	285,967	232	218	450
Latin and Greek Classics	186	318	504	—	—	—
Books for the Blind	51	258	309	—	—	—
TOTAL.....	202,710	176,102	378,812	513	488	1001

MUSEUM.

The Visitors to the Museum during the year have been as follows :—

	1883. 214 Days.	1882. 213 Days.
Total Visitors in the year	386,275	391,237
Weekly average	7,425	7,523
Daily average	1,805	1,836

The 18th of October, 1883, was the 22nd anniversary of the opening of the Museum in the present building.

The total number of Visitors during that time amounts to 9,459,864, giving a yearly average of 429,993.

DONATIONS.

The tail of a large Ray; a fine serrated-spined Echinus; specimens of Sponges, and an important collection of Marine specimens, specially dredged and collected at Singapore for the Museum by Staff Surgeon-Major Archer; presented by himself and his brother, Mr. Frank Archer.

Life-sized Models, coloured from nature, of the Menhaden, Whitefish and Spanish Mackerel, in illustration of the method adopted for the representation of the principal Fishes of the United States; a Salmon from the Atlantic coast and one from the Pacific coast; and Catalogues A, B, C, D, E, and F, prepared for the International Fisheries' Exhibition, London; exchange presentation by Professor Spencer F. Baird, Commissioner of Fish and Fisheries, U.S.A., per Mr. R. Edward Earll.

Three specimens of Sea Snakes (*Chersydrus*) from the Java Seas; presented by Mr. Wm. Baldwin.

Two male specimens of the Golden-winged Bird of Paradise, *Diphylodes chrysoptera*, Gould, from New Guinea; presented by Dr. G. Bennett, Sydney; Corresponding Member of the Literary and Philosophical Society of Liverpool; per Mr. J. G. Roberts.

Moths, Pupæ, and Drawing of Caterpillar, of Egyptian "Cotton Worm;" presented by Mr. Richard Benwell.

Two living specimens of Horse-shoe Crab, or King Crab (*Limulus polyphemus*); presented by Mr. Eugene Blackford, New York.

Three large Centipedes, from Gutzlaff Island, Shanghai; presented by Mr. C. W. Bond, per Mr. J. M. King.

A Skull of a Walrus, from Newfoundland, killed by explosive shell, which destroyed lower jaw; presented by Mr. W. B. Bowring.

Four specimens of the Steamer Duck, *Micropterus cinereus*; a King Penguin, *Aptenodytes pennantii*; and a Cormorant, from the Straits of Magellan; presented by Mr. M. F. Buchner.

Ten Sharks' Teeth, from the Phosphate Beds, near Bull Run, South Carolina; and three fragments of Cetacean Bones, from the same locality; presented by Mr. John Burnley.

Specimens of two *Pentremitidea schultzei*, D'Orb, Devonian, Laon, Spain; two *Pentremites pyriformis*, Say, Chester Limestone, Illinois, U.S.; presented by Mr. Herbert Carpenter.

The Skin of a male Paradise Rifle-Bird, *Epimachus paradisea*, from Brunswick River, New South Wales; collected and presented by Mr. Theophilus Carrington.

A piece of Silicified Palm (?) stem showing peculiar internal structure; presented by Mr. D. Clague.

A Collection of Natural History Specimens, chiefly from California, containing numerous specimens of Reptiles, Amphibia, Insects, Crustacea, Echinoderms, and a large series of Mollusca; also Botanical and Rock specimens, &c.; a fine specimen of the *Heloderma*, or Poisonous Lizard, from Arizona; and living examples of several American species of *Helix*; presented, and mostly collected, by Mr. A. W. Crawford, Oakland, California; formerly of Liverpool.

A Molar Tooth of *Toxodon* (an extinct gigantic mammal), from Frey Bentos, Banda Oriental; presented by Mr. Charles Croker.

Selections from a collection of Shells from Scinde; a Sting Ray (*Trygon*); two specimens of Indian Crustacea (*Penæus* and *Palinurus*); and four specimens of Amphibia and Reptiles (*Rana*, *Emys* and *Trionyx*); presented by Dr. Francis Day, Special Commissioner for India, International Fisheries Exhibition, London.

Two specimens of Indian Starfish (*Asterias*), and five specimens of Crustacea (*Lupea* and *Platyonichus*); presented by Dr. Francis Day.

A large living specimen of *Mygale* (or so-called Bird-catching Spider), from Old Calabar; presented by Mr. W. J. Davey.

A Dog Fox, shot at Knowsley; presented by the Earl of Derby.

Nest of Tree Wasp, from Brazil ; presented by Mr. F. W. Earle.

A collection of Osseous remains from the Breccia or Ursine deposit of Kent's Cavern, representing 31 finds, with exact reference to each place of finding ; presented by Lord Haldon (proprietor of the cavern) and the British Association, per Mr. Wm. Pengelly, F.R.S.

Living specimens of Roach and other Freshwater Fishes for the Aquarium ; presented by Mr. John Hannam.

Specimens of three species of Bivalve Shells, *Scrobicularia piperata*, *Cardium edule*, and *Tellina solidula*, from the boulder-clay of North Wales ; presented by Mrs. G. C. Harrison, per Mr. Alderman Samuelson.

Two enlarged Diagram Drawings of Foraminifera and Polycystins ; drawn and presented by the Misses T. and M. Longuet Higgins.

A small Oil Painting of a *Salmo ferox*, caught at Loch Awe, Sept., 1883 ; presented by Mr. Thomas Higgin, F.L.S.

An Osprey, caught at sea off the west coast of South America ; presented by Capt. Thos. Hughes, ship "New York."

A Hawksbill Turtle, from Pernambuco ; presented by Mr. Geo. Hulse.

Specimens of 72 species of British Polyzoa, mounted on slides for microscopic examination and study ; prepared and presented by Miss E. C. Jelly.

A small collection of Freshwater Fish ; living Cocoons of Atlas Moths ; living Larvæ of *Oiketicus* ; living Molluses, *Bulimus*, from Santo Paulo ; and a Larvæ in spirit of *Attacus*, from the Organ Mountains ; specimens of *Renilla*, and Echinoderms (*Luidia*, *Ophiura*, and *Melitta*), from the coast of Santo Paulo ; also a second collection of Butterflies and Moths, with their transformations, from Santo Paulo, Brazil, collected, bred, and presented, together with notes on their various stages, by Mr. E. Dukinfield Jones, C.E., Corresponding Member of the Literary and Philosophical Society of Liverpool.

A collection of Specimens, chiefly Marine, dredged between Liverpool and the west coast of South America, together with date and place of capture, and other notes and observations ; also a living specimen of the Fishing Frog, and two living specimens of Pipe Fish, with examples of the nest of the former, from the Sargasso Sea ; collected and presented by Capt. S. Griffith Jones, barque "Hermine."

Two pieces of *Heliopora cærulea*, a rare coral, with blue fracture; presented by Miss Keen.

A Nest of the Oven Bird (*Furnarius*), brought from the River Plate by Capt. Edward Hairby, S.S. "Maskelyne;" presented by Messrs. Lamport and Holt.

Four living young Tortoises, from Shanghai; presented by Mr. Wm. Lane.

The Skull of a Four-horned Sheep, from the Seaport of Supé, 10 miles North of Callao; the rostrum of a Saw-Fish (*Pristis*), from Peyta, Peru; the Nest of a Weaver Bird from Akyab, Bay of Bengal; and a piece of Teak bored by *Teredos* in 4 months at Rangoon; presented by Capt. Alexander Mackey.

A group of Sand Tubes of a Marine Annelid (*Hermella*), from the River Mersey; presented by Mr. Robert McMillan.

A young specimen of Eared Seal, from the South Pacific; two specimens of Sciaenoid Fish; a specimen of *Calyptocephalus gayi*; six specimens of two species of Crustacea; thirteen specimens of Shells (*Mytilus*, *Unio* and *Helix*), and samples of *Actiniæ*, dried for food, exchange presentation from the Chilian Commission, International Fisheries Exhibition, London, per His Excellency Sr. Don Marcial Martinez and Major G. S. Sewell-Gana.

Two specimens, male and female, of a Silk Moth (*Cricula trifenestrata*), from Burmah; presented by Mr. F. Moore, F.Z.S.

A Cast, (taken from a Human Skull which was found in cutting a trench for a sewer in Gloucester Road, Birkdale, 1872), given by Mr. T. Mellard Reade, F.G.S. (who had the cast made) to Mr. G. H. Morton, F.G.S., and by Mr. Morton presented to the Museum. The skull was obtained from the workmen who found it by Mr. Kershaw, of Birkdale, who presented it to the Royal College of Surgeons, London.—See *Geological Magazine*, for Dec., 1883, p. 547.

Specimens of three species of Fossil Shells from the Lower Greensand, viz., *Terebratula Monetoniana*, *T. Fittoni*, and *T. Sella*, var. *upwarensis*; presented by Mr. G. H. Morton, F.G.S.

Living specimens of the Quahaug or American Hard-Clam, *Venus mercenaria*, for Aquaria and Naturalization experiments; presented by Capt. J. H. Mortimer, Premier Associate of the Literary and Philosophical Society of Liverpool.

A specimen of *Peripatus capensis*, collected by Prof. Moseley, in South Africa, and believed by him to be a nearly related representative of the Ancestor of all the Insects and the Tribes related thereto; also specimens illustrative of the young stages of *Julus*; presented by Prof. H. N. Moseley, F.R.S.

A Blue-fronted Amazonian Parrot (*Chrysotis æstiva*); presented by Mrs. Charles Newman.

Nine specimens of Australian Fish of the genera *Arripis*, *Urolophus*, *Girella*, *Scorpena*, *Chrysophrys*, *Aracana* and *Trigla*; two specimens of Crustacea (*Palinuridae*); and two specimens of Trepang (*Holothuria*); exchange presentation from the New South Wales Commission, International Fisheries Exhibition, London, per Mr. E. P. Ramsay, F.L.S., Secretary.

Two specimens preserved in salt, of a rare Cetacean, *Pontoporia Blainvillii*, expressly obtained for the Museum; two Nests of the Oven Bird, *Furnarius*, and a large Nest of the Camoate or Wild Bee; also four large Fishes from the River Plate (*Platystoma*, *Salminus &c.*); presented by Mr. P. H. Rathbone.

Five young living Alligators, *Alligator Mississipiensis*; presented by Capt. Reynolds.

The Tooth of a Shark, from the Phosphate Beds, South Carolina; presented by Mr. John S. Rigby.

A large glazed Show Case 9 feet high, 10 feet long, and 6 feet wide (specially made to exhibit the series of Newfoundland Seals presented to the Museum by Mr. C. Bowring, lent at his request for the International Fisheries Exhibition, London); presented by Sir Ambrose Shea, Commissioner for Newfoundland; also a large specimen of Newfoundland Codfish.

The Skin of a Crocodile and three young living Terrapins, from Belize; presented by Dr. Soldat.

Specimens of Coleoptera (*Chrysomela*) and Orthoptera (*Epacromia*), from Constantinople; also a Fossil Shell, *Spirifera Walcottii*, Lias; collected and presented by Mrs. Malcolm Thomson.

Specimens of Addiewell "Plain" and "Curly" Shale; presented by Mr. Henry A. Tobias.

A specimen of *Arenocolites*(?); or supposed Annelid track from Hawes' Flags, Addleboro', Askrigg; presented by Mr. Wm. Turner.

A specimen of the Gwyniad, *Coregonus clupeoides*, from Bala Lake; presented by Mr. Wm. Owen, per favour of Mr. Owen Slaney Wynne.

A Silk Moth (*Attacus cynthia*), from New York; caught and presented by Mr. James Weir.

A collection of Marine Specimens dredged and collected between Liverpool and Callao; presented by Capt. W. H. Cawne Warren, Associate of the Literary and Philosophical Society of Liverpool.

Eight shells from Middlesborough, *Clausilia nigricans* and *Pupa*; presented by ————

PURCHASES.

The principal purchases during the year are as follows, many of the Vertebrates being for Osteological purposes:—

A Pluto Monkey; a young Muff Monkey (*Colobus*); male, female, and foetus of Aye-Aye (*Chiromys Madagascariensis*); specimens of Centetes; Arctic Fox; West African Porcupine; European Beaver; Llama; Head of Roe Deer, from Amur River; a Flamingo; Pelican; Ceylon Lory; and Magellanic Goose; two Viperine Snakes; an Arctic Chimæra Fish; an Australian Spined Shark; an Eagle Ray (*Urogymnus*), and egg capsules of the *Cestracion*, or Port Jackson Shark; a Hippopotamus Skull; Lower Jaw of West African Elephant, prepared to display development and progression of the teeth; Skeletons of the New Zealand Owl-Parrot (*Stringops*), and of the Kagu (*Rhinochetus*), from New Caledonia.

Skulls of Proboscis Monkey, Apteryx, Boatbill, and other Osteological specimens.

A collection of sixty named species of small Marine Crustacea, found on the Arctic coasts of Norway, and most probably being a chief food for salt-water fishes; named, prepared and mounted by Sparre Schneider, of the Tromso Museum, for the International Fisheries Exhibition, London; specimens of fourteen species of Crustacea, from Japan, and eighteen species from Jersey.

A large Melon Shell (*Melo*) and seven selected Shells from Western Australia; twenty selected specimens of thirteen species of Shells from

D'Entrecasteaux Island, South East Coast of New Guinea; twenty-nine specimens of twenty species of Marine Shells from Japan; fourteen specimens of seven genera of Shells, including *Cyclosurus*, *Waldheimia*, *Siphonium*, &c.; the original type specimen of *Peripoma Angasi*, and 5 other shells from Vancouver Island. Three specimens of Starfishes; two large specimens of the Japanese Glass-rope Sponge (*Hyalonema*), and other Corals and Sponges.

A femur and humerus of *Pliosaurus*; a Jaw of *Ceratodus*, and other fossils from the Ouse Bone-bed, Bristol; a compressed specimen of *Ammonites Bucklandi*; specimens of Trilobites (*Homalonotus* and *Encrinurus*) &c.; a series of Fish Teeth, &c., from the Woodbridge district of the Red Crag of Suffolk; polished sections of unworn cusps of *Mastodon* and a tooth of *Elephas antiquus*, also from the Red Crag of Suffolk.

Eighteen electrotype facsimiles of small Labyrinthodont remains from the *Gaskohle und der Kalksteine der Permformation Böhmens*, by Dr. Ant. Fritsch.

Vertical, horizontal, and oblique semi-transparent sections of forty species of European wood, mounted by Burkart.

COURSES OF AUTUMN FREE LECTURES.

Three Experimental Lectures were delivered by Prof. J. Campbell Brown, D.Sc., University College, Liverpool, in the Rotunda Lecture Hall, in continuation of his previous Courses on the "Chemical Elements." The subject treated of was *Sulphur* and its compounds.

The total attendance amounted to 2,128, giving an average per Lecture of 709.

A course of three Lectures, on the Development and Modification of Plants, was delivered in the Rotunda Lecture Hall, by the Rev. John Gerard, S.J. of Stonyhurst College; and the attendance amounted to 1622, giving an average of 540.

A course of four popular Lectures, on the Instruments used in Modern Astronomical Observatories, and the information they afford us regarding the nature of the Heavenly Bodies, was delivered by the Rev. S. J. Perry, S.J., F.R.S. The attendance at these Lectures amounted to 4,154, giving an average per Lecture of 1,038.

WINTER FREE LECTURES.

The Eighteenth Winter Course of Free Lectures, forty in number, was delivered in the Rotunda Lecture Hall, in January, February, and March, 1883.

Total number of persons who attended the Lectures.....	45,045
Average per Lecture	1,126
Against 41,295 in 1882.	Average attendance, 1,032.

LIST.

The Great Buildings of the World; illustrated by the Oxyhydrogen Light; by Sir J. A. Picton, F.S.A.

Periodic Comets; illustrated by the Oxyhydrogen Light; by Mr. R. C. Johnson, F.R.A.S.

The History of an Apple; illustrated by Sketches and Diagrams; by the Rev. John Gerard, S.J.

The Interstellar Æther, and its functions; illustrated by experiments, and by the Electric Light; by Dr. Oliver J. Lodge, Professor of Physics, University College, Liverpool.

"Recent Arctic Explorations;" with illustrations by the Oxyhydrogen Light of the Voyages of Her Majesty's Ships "Alert" and "Discovery," and the Steam Yacht "Fox"; by Captain Edward Stubbs, R.N.

From Atlantic to Pacific—the Isthmus of Panama, and its Canal: with dioramic effects; by Mr. W. H. Golding, Lecturer to the late Royal Polytechnic Institution, London.

A Naturalist's Experiences on the Coast of Brittany; with diagrams and illustrations by the Oxyhydrogen Light; by Dr. W. A. Herdman, F.L.S., F.R.S.E., Professor of Natural History, University College, Liverpool.

Local Geology, and What it Teaches; by Mr. T. Mellard Reade, F.G.S.
Character Created by Art; by Mr. E. R. Russell.

Sir Francis Drake, the first English Captain who Sailed Round the World; by Mr. J. MacCunn, M.A., Professor of Philosophy and Political Economy, University College, Liverpool.

Readings and Recitals from Shakespeare, Aytoun, and others; by Mr. Alexander Tough.

Old English Towns; illustrated with pictures, shown by the Oxyhydrogen Light; by Mr. James Birchall.

Greek Social Life; with illustrations by the Oxyhydrogen Light; by Mr. G. H. Rendall, M.A., Fellow of Trinity College, Cambridge, Principal of University College, Liverpool.

Handel, His Times and Music; illustrated by Vocal and Instrumental Music; by Mr. W. J. Stewart, B.A., and Mr. H. A. Branscombe.

Readings: Humorous, Dramatic, and Poetic, original and selected; by Mr. Robert Crompton.

The Lady of the Lake; illustrated by the Oxyhydrogen Light; by Mr. James Birchall.

Matter and its Forces; illustrated by experiments; by Mr. J. Abbott, B.A.

Schubert, his Times and Music; illustrated by Vocal and Instrumental Music; by Mr. W. J. Stewart, B.A., and Mr. H. A. Branscombe.

An Idea of a Museum; illustrated by the Oxyhydrogen Light; by Mr. C. T. Gatty, F.S.A., Curator of the Mayer Museum.

Pompeii, or Roman Provincial Life in the Time of Nero; with illustrations by the Oxyhydrogen Light; by the Rev. E. C. Selwyn, Principal of Liverpool College.

Coal and its Products; illustrated by experiments; Dr. George Tate, F.G.S., F.C.S.

Success; by the Rev. Hugh Stowell Brown.

The Telephone, Microphone, and Photophone; illustrated by the Oxyhydrogen Light; by Mr. Wm. Lant Carpenter, B.A., B.Sc., F.C.S.

The Transformation of Insects, as exemplified in the Silk Worm, the Gnat, the Locust, and the Grasshopper; illustrated by the Oxyhydrogen Light; by Dr. J. Sibley Hicks, F.R.M.S.

The Life and Writings of William Makepeace Thackeray; by the Rev. S. Fletcher Williams.

To our Young Men and Young Women; by the Rev. J. Henry Skewes.

Humorous and Dramatic Recitals from English and American Authors; by Mr. William Bennett.

The Mouths of Insects: How they Bite and Suck; illustrated by the Oxyhydrogen Light; by Dr. J. Sibley Hicks, F.R.M.S.

Oliver Cromwell; by Mr. A. C. Bradley, M.A., Fellow of Baliol College, Oxford; Professor of Modern Literature and History, University College, Liverpool.

Harmony and Discord; with illustrations of their Optical Study by the Oxyhydrogen Light; by the Rev. Sebastian Sircom, M.A., S.J.

Roscoe and his Life; illustrated by the Oxyhydrogen Light; by Mr. Henry Clark.

The Geology of the Country Around Liverpool; by Mr. G. H. Morton, F.G.S.

Sugar and Cotton from a Chemical Point of View; illustrated by experiments; by Mr. Edward Davies, F.C.S., F.I.C.

On Amateur Art, Useful and Ornamental; with illustrations; by Mr. Charles Dyll, Curator of the Walker Art Gallery.

Working Men who have Risen; by Mr. C. F. Lumb, M.A., LL.M.

Facial Expression. Illustration: The Passions. By Mr. Henry Vandenhoff.

The Great Truths of Astronomy; and the Recent Transit of Venus; with illustrations by the Oxyhydrogen Light; by Dr. Robert S. Ball, LL.D., F.R.S., Andrews Professor of Astronomy, University of Dublin, and Royal Astronomer of Ireland.

Books: A few Thoughts for Working Men on the Subject of Reading; by the Rev. J. Burbidge.

Home Readings: Ballads and Stories; by Mr. Henry Vandenhoff.

The Liverpool School of Science has had the use of rooms as in former years, and the following courses of Lectures are being delivered in connection with the Department of Science and Art, South Kensington:—

Solid Geometry.....	By Mr. A. J. Briant.
Machine Drawing.....	Do.
Building Construction	Do.
Animal Physiology	By Dr. J. W. Ellis.
Hygiene, or Science of Health.....	Do.
Agriculture	By Mr. C. F. Cooper.

MAYER MUSEUM.

REPORT.

During the past year a subscription copy, on large paper, of the Mediæval Catalogue was issued (with the Committee's permission) by Mr. G. G. Walmsley, of Lord Street. The work is illustrated with twenty autotype plates of some of the principal objects in the collection, and intended to make more widely known some of the treasures which the Mayer Museum possess. The Rev. Fr. Strassmaier, S.J., has copied and examined the inscriptions on the Babylonian clay tablets, and described the same before the Congress of Orientalists, at Leyden, in whose proceedings they will be published. Cases have been provided for the Electrotypes of Coins presented by the Trustees of the British Museum, and a stand for the Photographs of the Egyptian collection. Numerous additions have been made in the Ethnographical Collection.

At the request of the Marquess of Bute, permission has been given to Mr. C. T. Gatty, the Curator, to accompany his Lordship on a visit to the Museums and Art Treasures of Greece and Italy. It is believed that the knowledge thus acquired by Mr. Gatty cannot fail to be of advantage to the Museum under his care.

DONATIONS.

Two eighteenth century Quadrants, and two Compasses; presented by Mr. William Edkins, of Bristol.

Print of an eighteenth century English Cutter; presented by Mr. J. H. Gibson.

Doll, dressed in furs, &c., from Archangel; presented by Mr. J. H. Smart.

Two Clay Weights (Greek Period), from Elephantine; presented by Rev. G. J. Chester.

Lithographic reproduction of a View of London; presented by Mr. Charles H. Beloe.

Model Canoe or Kayak, from Greenland; also model of a Surf-boat, from Mexico; presented by Dr. A. F. W. Soldat.

"McFarlane's Calculating Cylinder, Glasgow;" presented by Mr. S. Leigh-Gregson.

Series of Electrotypes of Greek and Roman Coins ; presented by the Trustees of the British Museum.

Model of a Danish War Vessel ; presented by Mr. J. Lorrimer.

Eight Packs of German Playing Cards ; presented by Lord Arthur Russell.

Four roughly shaped Flint Implements, from Ras, near Beyrût ; presented by the Rev. G. J. Chester.

Bow, two Arrows, Club, Sword, and a Model Out-rigger ; presented by Captain Mackay.

Collection of Ethnographical specimens from West Africa ; presented by Mr. P. A. McCann.

Arab Charms, in carnelian, in shape of arrow heads, from Meccah ; and an early Silver Coin of Athens ; presented by the Rev. G. J. Chester.

Fuegian Fish, spear-head in bone, and a Chilian Coin ; presented by Mr. James Richardson.

Collection of Ethnographical specimens from West and West Central Africa ; presented by Mr. J. G. C. Harrison.

Grotesque Figure of a Man, carved out of knotted wood, from Foochow, China ; presented by Mr. William Cliff.

Seven flint cores from the Rohri Hills in Scindh ; presented by Sir John Lubbock, Bart.

Cast of a Roman Statuette of an Archer (?), found in London ; presented by Mr. Charles Roach Smith, F.S.A.

Native Iron Weapon, from Axim, Gold Coast, West Africa ; presented by Mr. R. B. N. Walker.

Bow and Quiver of Arrows, from the Yoruba Country, West Africa ; presented by Mr. Thomas Jones.

Two Bows and Quivers of Poisoned Arrows, a Knife, and five Spear-heads, from the Abongo Country, West Africa ; presented by Mr. C. H. Bateman.

PURCHASES.

Series of Photographs for the Navigation Collection.

Cloisonné Enamel Vase, Japanese.

Compass, made by Thomas Cave, of Dublin.

Medal, in silver, commemorating an English alliance with Holland in 1667.

Twenty-three Electrotypes from Coins and Medals in the British Museum.

Silver Medal for English Arctic Discoveries.

Silk Handkerchief, on which is printed the playbill of a theatrical performance on board H.M.S. "Assistance," one of the vessels employed in the Franklin search expedition.

Two "Tanagra" Terra-cotta Figures, and an Etruscan Finger-ring and Pair of Earrings.

Quadrant; date about 1830.

Japanese Porcelain Lacquered Vase.

Model of a Canoe, from Java.

Thirteen very fine specimens of old Chinese Porcelain.

Four pieces of African Ring-money.

African Charm, in a silver case.

European Wine or Beer Bottle, mounted in red and black leather by the Mandingoes, W. Africa.

Australian Implement, made from an English sheep shear blade.

Two Prints of Ships.

Model of a Chinese Pleasure Boat.

Model of a Ship, made of bone.

Fox's Head, in cream-coloured pottery; probably Wedgwood ware.

Basin, of unusually good Silver Lustre, upon English (probably Staffordshire) ware.

Porcelain Jug, with black printed design upon it. Liverpool (?)

Nine Silver Earrings and Buckles, from Bolivia.

Phœnician and Roman Coins; Figures and Paddles from Egyptian Models of Boats, and other specimens, illustrating the subject of Navigation.

Tortoise-shell Mask; probably from Darnley Island.

Herculaneum Jug, with the Liverpool and London Coach painted on it.

Three Engraved Shells.

Indian Sacrificial Axe, with the Buddhist emblem of the human eye upon it; from Nepal. (?)

Four Japanese Nutskies, in wood.

Enamelled Box, with printed subject: Victory holding a portrait of George III.

Club, in wood, from the New Hebrides Islands.

Figures, in old Staffordshire pottery.

Model of a Cingalese Surf-boat.

WALKER ART GALLERY.

THE Gallery has been open to the public on 256 days, and closed for cleaning and re-arrangement on 57 days.

408,504 persons have visited the Gallery during the year, being a daily average of 1,595. Of this number 63,464 paid for admission to the Autumn Exhibition, and the total also includes 9,280 pupils from schools of various denominations, admitted free by invitation of the Committee. The Committee during the year found it necessary to afford increased facilities to art students copying in the gallery, and in addition to the students' day on Friday, to permit copying every day from 8 to 11 a.m.

The Descriptive Catalogue compiled by the Curator has met with a large sale, more than 16,000 copies having been sold since its publication in July, 1881.

Ten pictures were lent in August to the Corporation of Southport on the occasion of the visit of the British Association to that town.

The Committee have arranged with Messrs. Brown, Barnes, and Bell to prepare photographs of the principal works in the Permanent Collection, and these will be on sale in the Gallery in a few days.

The extension of the Walker Art Gallery has been above alluded to.

It is proposed to open the new rooms in the ensuing autumn, with an exhibition of paintings and works of art on an extensive scale. The applications already made to the Royal Academy and the other Institutions of Artists have met with a cordial response, and it is confidently anticipated that the proposed artistic collection will, both in quantity and quality, surpass any demonstration of the kind hitherto made.

AUTUMN EXHIBITION OF PICTURES.

	1883.	1882.
Number of Pictures and other Works of Art exhibited	1,636	1,589
Number of Pictures sold	226	311
Amount realized by sales.....	£8,472 10 6	£7,868 3 6
Season Tickets	2,098 381 3 6	2,592 476 1 0
Admissions at one shilling	26,041 1,302 1 0	28,603 1,430 3 0
Ditto sixpence	10,936 273 8 0	11,967 299 3 6
Ditto threepence	24,389 304 17 3	26,624 332 16 0
Catalogues sold	434 15 9	472 14 6
Commission on sales.....	403 13 0	362 8 9
Miscellaneous receipts	32 6 10	23 1 11
Amount received, exclusive of sales	2,696 5 6	3,010 18 0

The following Table will be read with interest by all concerned in the culture of Art:—

TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 13 YEARS, FROM 1871 TO 1883.

Year.	ADMISSIONS.			Season Tickets.		Catalogues Sold.		Commission on Pictures Sold.		Miscellaneous Receipts.		Total Receipts.		Pictures Sold.			
	Sixpence.		Threepence.														
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	No.	£	s. d.
1871	720	16 0	...	...	207	14 6	62	2 0	165	10 0	320	18 6	46	4 4	235	6,395	2 6
1872	601	5 0	175	9 6	48	2 6	59	6 6	168	0 6	312	6 0	3	18 3	242	6,231	4 6
1873	665	18 0	...	...	229	10 3	96	8 6	199	17 6	371	17 0	2	10 0	271	7,402	17 6
1874	854	16 0	...	...	241	13 3	151	16 6	247	0 6	479	0 3	2	7 0	337	9,514	13 0
1875	972	13 0	77	17 6	237	14 0	210	7 0	279	14 3	617	3 0	11	9 2	345	12,299	18 6
1876	1,118	0 0	86	9 6	232	7 6	221	1 0	301	12 0	440	15 3	9	10 7	255	8,867	10 0
1877	1,928	12 0	...	...	419	3 3	443	14 0	454	10 1	537	11 2	18	4 2	301	10,963	11 0
1878	1,964	17 0	330	9 6	423	5 0	528	14 6	562	8 6	237	13 0	142	0 4	235	6,225	14 0
1879	1,516	12 0	212	1 6	378	11 9	566	7 6	504	9 3	364	16 0	7	17 0	267	9,159	15 0
1880	1,449	11 0	274	4 6	439	19 6	499	16 0	509	7 3	544	3 3	10	17 7	271	11,753	7 6
1881	1,434	15 0	289	4 6	376	4 6	475	14 0	468	19 9	523	7 6	15	9 6	315	12,210	11 0
1882	1,430	3 0	299	3 6	332	16 0	476	1 0	472	14 6	362	8 9	23	1 11	311	7,808	3 6
1883	1,302	1 0	273	8 0	301	17 3	381	3 6	434	15 9	403	13 0	32	6 10	226	8,472	10 6
Total	15,959	19 0	2,018	8 0	3,871	19 3	4,172	12 0	4,768	19 10	5,515	12 8	325	16 8	3,611	117,364	18 6

Out of 3,611 Pictures Sold during the last 13 years the Corporation of Liverpool Purchased 42 for their Permanent Gallery, the catalogue prices of which amounted to £14,880 10s.

ADDITIONS TO THE PERMANENT COLLECTION.

PURCHASED—

Water Colour Drawings, &c.—

“ Sheep Washing—Cheshire Marshes,” by John Pedder.

The Hotel de Ville, Louvaine, by Sam Prout.

A series of Drawings illustrating “ Pleasant Spots Round Oxford,”
by Alfred Rimmer.

A series of Drawings and Sketches of Welsh Scenery, &c., by
Albert Hartland.

Drawing in Chalk, by Dante G. Rossetti.

A series of Photographs from Pictures in the Museum at St.
Petersburg.

Oil Paintings—

“ The Thames at Deptford,” by H. T. Dawson.

“ The Pedlar,” by Fred. Morgan.

“ Everton Village,” by Charles Towne.

Portrait of General Gascoyne, M.P., by J. Lonsdale.

“ Motherless,” by Arthur Stocks (from the Liverpool Autumn
Exhibition of 1883).

“ Daily Bread,” by T. B. Kennington (from the Liverpool Autumn
Exhibition of 1883).

“ A Stowaway,” by Alfred Dixon (from the Liverpool Autumn
Exhibition of 1883).

“ Tried Friends,” by William Huggins.

WORKS PRESENTED.

Oil Paintings—

“ A Mean Advantage,” by F. Mazzotta; presented by William
Preston, Esq.

Landscape, by John Rathbone; presented by P. H. Rathbone,
Esq., J.P.

Portrait of Michael James Whitty, by John Bishop; presented by
T. R. Russell, Esq.

Portrait of Wm. Daniels, by himself; presented by Lewis Hughes, Esq.

"The Beach at Scheveningen," by W. J. J. C. Bond; presented by Wm. Radcliffe, Esq. (Mayor, 1883).

"Friday," by W. Dendy Sadler; presented by Jas. Pegram, Esq.

"Fruit and Flowers," by Th. Grönland; presented by Mr. Alderman Livingston, J.P.

"Judgment of Paris," by Franz Floris.

"Eve of the Regatta," by William Logsdail; presented by James Harrison, Esq.

Engraving of St. Cecilia, after Dominichino; presented by Abel Boadle, Esq.

Terra Cotta Statuette of the Rt.-Hon. W. E. Gladstone, M.P., by A. Bruce Joy; presented by G. H. Croxden Powell, Esq.

30 Plates Autotype Reproductions of Early Italian Prints; presented by the Trustees of the British Museum.

Plaster Bust of Thalberg; presented by Wm. Radcliffe, Esq. (Mayor, 1883).

Plaster Bust of Dr. Martineau, LL.D., D.D., by Edward Ryley; presented by R. C. Hall, Esq.

Plaster Bust of Sir Hugh Owen, by W. Davies; presented by John Roberts, Esq., M.P.

Signed on behalf of the Committee,

J. A. PICTON, Kt.,

CHAIRMAN.

15 JUL. 1898



THIRTY-SECOND
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY
OF THE
CITY OF LIVERPOOL.



LIVERPOOL:
PRINTED BY HENRY GREENWOOD, 32, CASTLE STREET.

—
1885.

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LIVERPOOL:
HENRY GREENWOOD, PRINTER, 32, CASTLE STREET.
1885.

COMMITTEE AND OFFICERS

For the Years 1884-85.

Committee.

SIR JAMES ALLANSON PICTON, F.S.A., CHAIRMAN.

ALDERMAN EDWARD SAMUELSON, DEPUTY-CHAIRMAN.

DAVID RADCLIFFE, Mayor.

ANTHONY BOWER.

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ANDREW COMMINS, LL.D., M.P.

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Curator of the Museum.

THOMAS J. MOORE.

Curator of the Walker Art Gallery.

CHARLES DYALL.

REPORT.

THE Committee feel pleasure in having to report a year of continued success and progress, which has been memorable in the history of the Institution.

In the last year's Report it was stated that the buildings comprising the extension of the Walker Art Gallery were near completion, and that the City Council had made a grant which would cover the balance due on the erection. Subsequently Sir Andrew B. Walker, to whom the City is indebted for the cost of the original building, has nobly come forward and paid into the City Fund the entire cost of the structure, amounting to £11,720. This has increased the debt of gratitude due from the public to their generous-hearted fellow-citizen, and has been expressed by the presentation of an address, prepared in the first style of art, commemorative of the event.

The new building was opened on August 30th, 1884, with an exhibition of works of art on a scale hitherto unequalled in the Provinces. A separate report has been issued containing the details and statistics, but it may here be succinctly mentioned that in addition to the usual annual exhibition, eight societies of artists, including the chief London ones, and the Royal Hibernian Academy, contributed to the collection.

The pecuniary success has been satisfactory, a net balance of £2,070 having been realised after payment of all expenses. This has been expended in the purchase of pictures for the permanent Gallery.

The extension of the Walker Art Gallery has enabled the permanent collection to be displayed to the best advantage, without being subject to the expense and confusion annually incurred by the removal and replacement consequent on the annual exhibition.

A well-deserved compliment has been paid to Mr. Alderman Samuelson, the Chairman of the Arts and Exhibition Sub-Committee, by giving a commission to Mr. Stirling Lee, the eminent sculptor, for a marble bust to be placed in a suitable position in the Gallery.

The subject of a collection of casts illustrative of the progress of art, similar in kind to those at the British Museum, at South Kensington, and at the Archæological Museum at Westminster, has occupied the attention of the Committee. It is scarcely fair that little or nothing should exist out of London which can give to our artisans any insight into the progress of art, or furnish examples for their improvement in taste and skill. Collections of this class do exist, but they are not free and accessible to the public. This Committee are of opinion that the time has arrived when a vigorous effort should be made to remedy this deficiency. The sum contributed by Sir Andrew Walker setting free the amount set apart from the City Fund by the Council for the erection of the Art Gallery, seems reasonably and suitably applicable for this purpose, and it is hoped that this project will recommend itself for adoption during the current year.

Notwithstanding the increased accommodation obtained by the extension of the buildings, several of the departments are seriously crowded for want of room. The fine ethnological collection which is of the most interesting character, containing many objects which it would be difficult or impossible now to procure, is waiting space for development, and a great portion of the Mayer Collection requires more room for its proper display.

The Library also is rapidly gaining upon the space provided, both in regard to the storage of books and the accommodation of readers. The introduction of newspapers into the Brown Reading Room has been felt as a great boon, by the working class especially. It has been found necessary to double the original provision, and thus to encroach on the space for readers of books. Some relief has been obtained by transferring the magazines to the Picton Reading Room, which draws away a considerable number and thus gives more accommodation.

Reference was made in the last Report to the proposed establishment of branch reading rooms in different parts of the City. This has now been carried out with complete success. From the statistics below it

will be seen that four reading rooms have been opened, with a collective average attendance of 160 each night.

A third volume of the general catalogue has been recently issued. It may here be stated that the plan and arrangement of the Liverpool catalogue has met with general approbation, numerous applications being made from various public libraries for copies as models to be followed.

The serious injury to the bindings of the books by the fumes of the gas and the foul air poisoning the atmosphere, led to the trial of the electric light, which was found so successful that a contract has been entered into for lighting the whole of the Library and Reading Rooms in this way at an expense rather below that of the gaslight.

In the Lending Libraries, a new catalogue for the South Library is in the press and will shortly be issued. The two Libraries continue to be worked to the full extent of their capacity.

In the Museum a new departure has been taken by the preparation of circulating collections of interesting specimens of natural history of an educational kind, which are issued to the various Board and Public Schools, and exchanged periodically. This has created a wonderful amount of interest and healthy excitement amongst the pupils. The selection and arrangement of these has been undertaken by the Rev. H. H. Higgins, whose untiring exertions in the cause of education in the best sense cannot be too highly valued.

The Winter Lectures have continued to be interesting and attractive. The particulars will be found below.

In addition to the specially popular series, a course of twelve was given on Astronomy by the Rev. Father Perry, Director of the Observatory at Stonyhurst. These were largely attended by the artisan class, the average attendance being 1,211. A class was formed of students, with an attendance each evening of 156. At the close of the series an examination was held, and prizes and certificates were given to the successful competitors.

On the whole it may be stated with perfect truth that at no period has the Institution been in a more flourishing and useful condition.

The details and statistics are as follows :—

REFERENCE LIBRARY.

TABLE I.—Showing the Books issued during the year :—

	Classification.	Volumes.	Daily Average.
Theology, Morals, &c.	25,085	87
Natural Philosophy, Astronomy, &c.	21,742	77
Natural History	8,597	31
Science and the Arts	32,781	115
History and Biography	30,161	105
Topography and Antiquities	8,983	31
Voyages and Travels	13,045	45
Miscellaneous Literature (principally collected Works, Magazines in Volumes, &c.)	147,241	515
Jurisprudence, Law, and Politics	6,256	21
Commerce, Political Economy, and Statistics	4,839	17
Education and Language	10,504	37
Poetry and Dramatic Literature	13,447	47
Prose Fiction	215,403	755
Latin and Greek Classics and Translations	4,837	17
Heraldry, Encyclopædias, and Works of Reference	56,923	199
Total	599,844	2,099

TABLE II.—Showing the issues of Quarterly and Monthly Magazines :—

	Classification.	Magazines.	Daily Average.
Theology, Morals, &c.	3,496	13
Natural Philosophy, &c.	2,283	8
Natural History	1,651	5
Science and the Arts	5,607	19
Topography and Antiquities	1,978	7
Voyages and Travels	1,306	5
Miscellaneous Literature	163,643	573
Commerce, Political Economy, and Statistics	1,611	5
Education and Language	1,387	5
Total	182,961	640

TABLE III.—Showing the issues of Weekly Periodicals, &c. :—

	Classification.	Periodicals.	Daily Average.
Natural Philosophy, &c.	1,219	4
Natural History	919	3
Science and the Arts	1,812	6
Miscellaneous Literature (principally illustrated and literary periodicals)	206,461	723
Law and Politics	1,335	5
Commerce, Statistics, &c.	1,269	5
Total	213,015	746

Total Patents for Invention consulted, 21,666. Daily average, 75.

RECAPITULATION OF TOTALS.

Volumes of Books	...	...	...This Year	599,844	Last Year	466,419
Quarterly and Monthly Magazines	...	„	„	182,961	„	110,090
Weekly Periodicals	...	...	...	213,015	„	207,115
Patents	...	...	...	21,666	„	18,892
				<u>1,017,486</u>		<u>802,516</u>

TABLE IV.—Showing the number and classification of works added during the year :—

Classification.						Volumes added.	Total Number in the Library.
Theology, Morals, &c.	...	...	...	...	...	197	6,459
Natural Philosophy, Astronomy, &c.	...	...	...	...	...	86	1,986
Natural History	...	...	...	...	...	130	4,544
Science and the Arts	...	...	...	...	...	318	9,744
History and Biography	...	...	...	...	...	226	10,777
Topography and Antiquities	...	...	...	...	...	162	4,261
Voyages and Travels	...	...	...	...	...	128	4,651
Miscellaneous Literature (principally collected Works, Magazines, &c.)	...	...	...	...	...	1,213	18,868
Jurisprudence, Law, and Politics	...	...	...	...	...	102	6,712
Commerce, Political Economy, &c	...	...	...	...	...	79	1,059
Education and Language	...	...	...	...	...	34	1,361
Poetry and Dramatic Literature	...	...	...	...	...	74	3,540
Prose Fiction	...	...	...	...	...	41	5,512
Latin and Greek Classics and Translations	...	...	...	...	...	25	731
Heraldry, Encyclopædias, and Works of Reference	...	...	...	...	...	135	2,669
Total...						<u>2,950</u>	<u>82,874</u>

BRANCH EVENING READING ROOMS.

Place.	When Opened.			Attendance.	Average.
Stanley Road	11th March, 1884	12,468	51
Queen's Road ¹	12th „ „	10,268	42
Chatsworth Street	13th „ „	9,995	41
Wellington Road	14th „ „	6,339	26
				<u>39,070</u>	<u>160</u>

The following is the List of Magazines and Periodicals illustrating
Tables II. and III. :—

QUARTERLY.

Annales des sciences naturelles
Anthropological Journal
Archæological Cambrensis
Archæological Journal
British and Foreign Evangelical Review
British Quarterly Review
Calcutta Review
Church Quarterly Review
Dublin Review
Edinburgh Review
Geninen
Grevillea
Ibis
Journal de conchyliologie
Journal für Ornithologie
Journal of Anatomy
Journal of the British Archæological
Association
Journal of the Royal Agricultural Society
Journal of the Society of Antiquaries
Journal of the Statistical Society
London Quarterly Review
Manchester Quarterly
Mind
Navy List
Numismatic Chronicle and Journal
Popular Science Review
Quarterly Journal of the Geological
Society.
Quarterly Journal of Microscopical
Science
Quarterly Review
Revue celtique
Stray Feathers
Sunday Review
Traethodydd
Westminster Review
Zeitschrift für deutsche Philologie
Zeitschrift für Ethnologie

MONTHLY.

All the Year Round
American Naturalist
Annals and Magazine of Natural History
Antiquary
Anti-Vaccination Reporter
Argosy
Army List
Art Journal
Association News
Atlantic Monthly
Band of Hope Review
Banker's Magazine
Beiblatter der Physik
Belgravia
Bibliographer
Bibliothèque universelle
Birmingham, &c., Hardware Circular
Blackwood's Magazine
Botanical Magazine

MONTHLY—Continued.

British Temperance Advocate
Building World
Cambridge Examiner
Cassell's Magazine
Century
Chambers's Journal
China Review
Church Missionary Gleaner
Church Missionary Intelligencer
Church Missionary Juvenile Instructor
Clergyman's Magazine
Congregational Magazine
Congregationalist
Contemporary Review
Cornhill Magazine
Daheim
Day of days
Dietetic Reformer
Educational Times
English Illustrated Magazine
Englishwoman's Review
Financial Reformer
Fireside
Fortnightly Review
Gazette des beaux-arts
Gartenlaube
Gentleman's Magazine
Geological Magazine
Good Health
Good Words
Hand and Heart
Harper's Magazine
Herald of Health
Home Words
Homœopathic World
Indian Antiquary
Investor's Monthly Manual
Irish Temperance Banner
Journal of Conchology
Journal of the Chemical Society
Journal of Science
Journal of the Vigilance Association
Leisure Hour
Library Chronicle
Library Journal
Liverpool Diocesan Gazette
Livre, Le
London, &c., Philosophical Magazine
London Society
Longman's Magazine
Machinery Market
Macmillan's Magazine
Magazine of Art
Mineralogical Magazine
Miscellanea genealogica
Moniteur des architectes
Month
Musical Times
National Review
Nautical Magazine

MONTHLY—*Continued.*

New Church Magazine
 Nineteenth Century
 North American Review
 Observatory
 Palatine Note-Book
 Petermann's Mittheilungen
 Pitman's Musical Monthly
 Portfolio
 Present Truth
 Printer's Register
 Printing Times and Lithographer
 Quiver
 Railway Guide
 Revue archéologique
 Revue britannique
 Revue chrétienne
 Royal Astronomical Society's Monthly
 Notices
 Royal Geographical Society's Journal
 Sanitary Record
 Science Gossip
 Shorthand Magazine
 Sunday at Home
 Sunday Magazine
 Temple Bar
 Theatre
 Tinsley's Magazine
 Tonic Sol-fa Reporter
 Truthseeker
 United Service Magazine
 Unserer Zeit
 Western Antiquary
 Women's Suffrage Journal
 Yachting Magazine
 Zoologist
 Zoophilist

FORTNIGHTLY.

Annalen der Physik
 Dinger's Polytechnisches Journal
 Ecclesiastical Observer
 Gazette des architectes
 Intermédiaire, L'.
 Liebig's Annalen der Chemie
 Revue des deux mondes

WEEKLY.

Academy
 American Settler
 Amateur Photographer
 Anglo-American Times
 Architect
 Athenæum
 Brewers' Guardian
 British Architect
 British and Colonial Printer and Stationer
 Broad Arrow
 Builder
 Builders' Weekly Reporter
 Building News
 Chemical News

WEEKLY—*Continued.*

Christian Commonwealth
 Cambridge University Reporter
 Church of England Temperance Chronicle
 Chronique des arts
 Civilian
 Colonies
 Comptes rendus
 Draper
 Economist
 Electrical Review
 Electrician
 Engineer
 Engineering
 English Mechanic
 Era
 Estates Gazette
 Field
 Fireside News
 Fun
 Furniture Gazette
 Gardeners' Chronicle
 Graphic
 Illustrated London News
 Iron
 Iron and Coal Trades Review
 Jewish Chronicle
 Journal of Gas Lighting, &c.
 Journal of Horticulture
 Journal of the Society of Arts
 Judy
 Knowledge
 Lancet
 Land and Water
 Law Times
 Light
 Liverpool Review
 Local Government Chronicle
 London Gazette
 Medium
 Mining Journal
 Money
 Nature
 Naval and Military Gazette
 Notes and Queries
 Oxford University Gazette
 Pharmaceutical Journal
 Pictorial World
 Porcupine
 Public Opinion
 Punch
 Railway Journal
 Railway Review
 Rambler
 Saturday Review
 Scientific American
 Signs of the Times
 Spectator
 Temperance Record
 Truth
 Volunteer Service Gazette
 Vanity Fair
 Weekly Notes
 World

The following Periodicals, Newspapers, &c., have been presented regularly by the Publishers :—

Amateur Photographer
Association News
American Settler
Anglo-American Times
Anti-Vaccination Reporter
Birmingham and Sheffield Hardware
Circular
Bootle Times
Brewers' Guardian
British and Colonial Printer and Stationer
British Temperance Advocate
Builders' Weekly Reporter
Building World
Cambridge Examiner
Christian Commonwealth
Church of England Temperance Chronicle
Church Missionary Gleaner
Church Missionary Intelligencer
Church Missionary Juvenile Instructor
Clergyman's Magazine
Colonies
Congregationalist
Day of Days
Dietetic Reformer
Draper
Ecclesiastical Observer
Electrical Review
Englishwoman's Review
Estates Gazette
Financial Reformer
Fireside News
Good Health
Herald of Health
Home Words
Homœopathic World
Irish Temperance Banner

Iron and Coal Trades Review
Journal of the Statistical Society
Journal of Speculative Philosophy
Light
Liverpool Albion
" Catholic Times
" Courier
" Echo
" Express
" Mercury
" North End Times
" Porcupine
" Post
" Review
Machinery Market
Medium
Money
Musical Education
Naval and Military Gazette
New Church Magazine
Newcastle Chronicle
Pitman's Musical Monthly
Present Truth
Preston Herald
Railway Review
Rambler
Sunday Review
Signs of the Times
Temperance Record
Tonic Sol fa Reporter
Waterloo Times
West Derby and Wavertree Times
Woman's Suffrage Journal
Worcestershire Herald
Zoophilist

DONATIONS.

The following Donations have been received during the year :—

ALBANY, U.S.A., YOUNG MEN'S ASSOCIATION :—Public Exercises at the Semi-Centennial Anniversary, 1883; Annual Report, 1883-4.
ANONYMOUSLY :—Confessions of a Fictumbury Churchman; Life of William Penn, by S. Janney (2 copies); The Proposed Cathedral for Liverpool.
ARMSTRONG, T. :—Laudate, Beatus vir, Magnificat, Laudate Dominum, by Haydn (MS.); Bickham's Musical Entertainer. 2 vols.
ASHTON-UNDER-LYNE FREE LIBRARY :—Catalogue, 1883.
ATKINSON, ROBERT (the Author) :—On Irish Metric: a Lecture on Celtic Philology.
AUBERTIN, J. J. (the Translator) :—The Lusiads of Camoens; translated into English Verse, 2 vols.

BAINBRIDGE, R. B., and CARL ROSA, ROYAL COURT THEATRE, LIVERPOOL :—Playbills, &c., 1884.
BALTIMORE, PEABODY INSTITUTE :—Catalogue of the Library, Part 1; Annual Report.
BAXLEY, W. K. (the Author) :—The Philosophy of Sleep; Recollections of a Visit to South America.
BELOE, CHARLES H. :—Annual Report of the Operations of the U.S. Life-Saving Service, 1883.
BIRCHALL, CHARLES (Publisher) :—A Series of Articles on Current Commercial and Shipping Topics.
BIRKENHEAD LITERARY AND SCIENTIFIC SOCIETY :—Report, 1883-4.
BIRMINGHAM FREE LIBRARIES :—Reference Department Catalogue: Bibliography.

DONATIONS—*Continued.*

- BIRMINGHAM PHILOSOPHICAL SOCIETY :—
Proceedings, vol. 3, and 4, part 1.
- BOARD OF TRADE :—Inquiries under Merchant Shipping Acts, Nos. 1 to 2,283 (several numbers excepted); Boiler Explosions Act, Nos. 72-75.
- BOSTON PUBLIC LIBRARY :—Bulletins.
- BOULT, JOSEPH :—The Duties, &c., of Customs and Excise Payable in Great Britain, by T. Sherlock and J. Towne.
- BOWES, JAMES L. (the Author) :—Japanese Enamels.
- BRADFORD FREE PUBLIC LIBRARIES :—
Catalogue of the Central Lending Library.
- BRAMALL, HENRY (the Author) :—Modern Progress of Mine Engineering.
- BRAZILIAN CONSUL, Liverpool :—José Maria da Silva Paranhos, visconde do Rio-Branco : elogio historico.
- BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE :—Report of the Southport Meeting, 1883.
- BRITISH MUSEUM TRUSTEES :—Catalogue of English Books to the year 1640. 3 vols.; Catalogue of the Greek Coins (Central Greece); Catalogue of Oriental Coins, vol. 8; Catalogue of Romances in the Dept. of MSS.; Catalogue of the Fossil Sponges, by George P. Hinde; Catalogue of the Birds, vol. 9; Catalogue of Printed Books, 21 pts.; Report on the Zoological Collections made in the Indo-Pacific Ocean, during the Voyage of H.M.S. "Alert," 1881-82.
- BROWNE, H. J. (the Author) :—The Higher Branch of Science.
- BROWN, RICHARD (the Author) :—Optical Lantern Readings : Liverpool.
- BROWN, BARNES, AND BELL, Messrs. :—
Photograph of the Birthplace of the Rt. Hon. W. E. Gladstone, Rodney Street, Liverpool.
- BUNSTER, Mrs. E. J. :—The Lincolnshire Survey, temp. Henry I.; ed. by James Greenstreet.
- BURNETT, J. C., M.D., F.R.G.S. (the Author) :—The Law of Similar, the Scientific Principle of Vaccination.
- CAMBIAN RAILWAY CO. :—Picturesque Wales, by G. Turner.
- CARULLA, F. J. R., F.C.S. (the Author) :—The Steel Age : a Lecture (3 copies).
- CASTELLAIN, ALFRED, J.P. :—Journal of the Royal Agricultural Society, vol. 20, pt. 1.
- CHALMERS, PATRICK (the Author) :—James Chalmers, the Inventor of the Adhesive Stamp, not Sir Rowland Hill.
- CHEETHAM LIBRARY, MANCHESTER, THE
FELLOWS OF :—Catalogue of the Books and Manuscripts, vol. 6.
- CHRISTIE, Dr. T. W. (the Author) :—
The Proposed Desecration of St. James' Cemetery : a Letter.
- CHURCH ASSOCIATION :—The "Legal History" of Canon Stubbs Reviewed, by J. T. Tomlinson.
- CINCINNATI CHAMBER OF COMMERCE :—
Annual Report, 1883.
- CINCINNATI PUBLIC LIBRARY :—Bulletin.
- CLARK, A. M. AND W. (the Authors) :—
Analytical Summaries of the Patents, Designs, and Trade-Marks' Act, 1883.
- CLIFF, THE LATE MISS ANNE :—Unum necessarium; or, the Doctrine and Practice of Repentance, by J. Taylor, 1655.
- COBDEN CLUB :—Cobden Club Dinner :
Special Report; The Peers and the People; Egypt and the Soudan : Speech by W. E. Gladstone; The Franchise Bill : Speech by W. E. Gladstone; Progress of the Working Classes in the last Half-Century (12 copies); The History of Reform, by A. Paul; Our Sailors : a Speech by J. Chamberlain (3 copies); Special Report of the Annual Meeting, 1884; Three Panics, by Richard Cobden (50 copies).
- COOPER UNION FOR THE ADVANCEMENT OF SCIENCE AND ART, NEW YORK :—
25th Annual Report.
- DICK, A. E. (the Author) :—Marine Insurance Popularly Treated.
- DINSDALE, JOHN, LIVERPOOL :—Subpœnas of Witnesses to an Inquiry before a Select Committee of the House of Commons concerning the Liverpool Election Petition, May, 1853; Translation of Magna Carta.
- DREW, G. R., BIRKENHEAD :—The Great Controversy between Christ and Satan. 3 vols; The Sanctuary and the Twenty-three Hundred Days, by U. Smith; History of the Sabbath, by J. N. Andrews; Thoughts, Critical and Practical, on the Book of Daniel and the Book of Revelation. 2 vols; Good Health : a Journal of Hygiene; The Present Truth, vol. 1.
- DRURY, E. J. (the Author) :—Recreative French Grammar.
- DUBLIN UNIVERSITY :—Calendar, 1884; Examination Papers, 1883.
- DUDLEY, MISS A. FLORENCE (Joint-Author) :—Daddy's Bobby; or, the Star of Bethlehem.
- EARLE, ARTHUR :—Certificate to A. C. Mathew upon Admission to the Freedom of the Town of Liverpool, 1790; Plans in the Principal Cities of the World, by J. Andrews.
- EARP, JOHN (the Author) :—Strictures on Religious Creeds and Religious Usages,

DONATIONS—*Continued.*

- EDINBURGH MUSEUM OF SCIENCE AND ART:—Report, 1883.
- ELLIS, JOHN W., L.R.C.P. (the Author):—Coleoptera of the Liverpool District, parts 1-4.
- EMERY, FRANK, AND ALEX. HENDERSON, PRINCE OF WALES THEATRE, LIVERPOOL:—Playbills, &c., 1884.
- ENGINEERS, SOCIETY OF:—Transactions, 1883.
- FINANCIAL REFORM ASSOCIATION:—Financial Reform Almanack, 1885.
- FISHER, A. K., AND CO. (the Publishers):—London and Provincial Directory and Continental Guide, 1884.
- FITZGERALD, P. F. (the Author):—Essay on the Philosophy of Self Consciousness.
- FOSTER, EMILY (the Author):—Greystone Abbey (2 copies).
- FROWDE, JOHN, BARROW-IN-FURNESS:—A Compendium of the Faith and Doctrines of Latter Day Saints, by Franklin D. Richards.
- GAGE, JAMES, LIVERPOOL:—Paul Pry: a Liverpool Periodical, 1834-5 (12 Nos.); Collection of Playbills, Theatre Royal and Olympic Circus, Liverpool, 1819-25.
- GATTY, CHARLES T., F.S.A. (the Author):—Greek, Etruscan, and Roman Antiquities in the Mayer Museum, Liverpool.
- GIBSON, JAMES:—A History of the Shakespeare Memorial, Stratford-on-Avon.
- GREY, HENRY (the Author):—Key to the Waverley Novels; Trowel, Chisel, and Brush.
- GUTHRIE, MALCOLM, J.P. (the Author):—On Mr. Spencer's Data of Ethics.
- HARGREAVES, JAMES, F.C.S. (the Author):—The Educational Franchise (3 copies).
- HARVARD COLLEGE, CAMBRIDGE, U.S.A.:—Bulletins of the Museum of Comparative Zoology; Memoirs of the Museum of Comparative Zoology; Annual Report of the Curator of the Museum of Comparative Zoology.
- HAYWARD, JOHN W., M.D. (the Author):—Crotalus (Rattlesnake).
- HIBBERT, ALDERMAN JAMES:—Catalogue of the Pictures and Drawings of the Newsham Bequest to the Corporation of Preston.
- HODGSON, W. B., REPRESENTATIVES OF THE LATE:—Life and Letters of W. B. Hodgson, LL.D.; The True Scope of Economic Science, and 3 other pamphlets.
- HOSKINS, JOHN (the Author):—King Henry VII., and other Dramas and Poems.
- HOWARD ASSOCIATION:—Report, 1884.
- HOWORTH, D. F., F.R.G.S.:—Liverpool Odes: Satirical Poems.
- INDIA, THE RT. HON. THE SECRETARY OF STATE FOR:—The Sacred Books of the East, vols. 15 and 21.
- INSTITUTE OF CIVIL ENGINEERS:—Minutes of Proceedings, vols. 75-78; The Practical Application of Electricity: Lectures.
- INSTITUTION OF MECHANICAL ENGINEERS:—Proceedings, 1883-84.
- INTERNATIONAL HEALTH EXHIBITION EXECUTIVE COUNCIL:—Health Exhibition Literature, vols. 1-16.
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- KENDRICK, MISS, WARRINGTON:—Holden's Tide Tables, Liverpool, 1795 and 1797; Book of Words for the Mr. and Misses Fraser's Musical and Literary Evenings; Poetic Tales and Miscellanies; Almido: a Poem, by J. Grocott, Jun.
- LACH-SZYRMA, REV. W. S., M.A. (the Author):—Aleriel; or, a Voyage to other Worlds: a Tale.
- LANCASHIRE AND CHESHIRE ENTOMOLOGICAL SOCIETY:—7th Annual Report.
- LANCASHIRE AND CHESHIRE HISTORIC SOCIETY:—Transactions, vol. 34.
- LIBERTY AND PROPERTY DEFENCE LEAGUE:—Liberty and Law, by W. Donnisthorpe; and six other pamphlets.
- LIBRARY REPORTS FROM THE FOLLOWING LIBRARIES:—Aston, Manor of; Baltimore, U.S.A., Peabody Institute; Barrow-in-Furness; Birmingham Library; Bolton; Boston, U.S.A.; Messrs. Braby & Co.'s; Bradford; Bridgeport, Conn., U.S.A.; Brighton; Bristol; Canterbury; Cardiff; Chester; Chicago, U.S.A.; Cincinnati, U.S.A.; Copenhagen Royal Library; Corwen; Derby; Doncaster; Dundee; Ealing; Germantown Friends, U.S.A.; Glasgow, Mitchell Library; Glasgow, Stirling's Library; Handsworth; Indianapolis, U.S.A.; Kidderminster; Leamington; Leeds; Macclesfield; Middlesbrough; Newcastle-upon-Tyne; New York Mercantile; Newton, U.S.A.; Norwich; Nottingham; Philadelphia Mercantile; Plymouth; Preston; Reading; Rochdale; Rotherham; Runcorn; St. Louis Mercantile; St. Louis Public School; San Francisco; San Francisco Mercantile; Sheffield; Smethwick; Southport; Stafford; Stoke-upon-Trent; Swansea;

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- LIVERPOOL ART CLUB:—Exhibition Catalogues and Annual Reports.
- LIVERPOOL ASTRONOMICAL SOCIETY:—Abstract of Proceedings, 1883-4; Journal, vol. 3; Transactions, No. 4.
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- LIVERPOOL GEOLOGICAL SOCIETY:—Proceedings, 1883-4.
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- LIVERPOOL LITERARY AND PHILOSOPHICAL SOCIETY:—Proceedings, vol. 38.
- LIVERPOOL (LYCEUM) LIBRARY:—Annual Supplemental Catalogue; Pamphlets relating to the Dispute, Lyceum v. Liverpool Library.
- LIVERPOOL MEDICAL INSTITUTION:—Liverpool Medico-Chirurgical Journal, Nos. 4, 6, and 7.
- LIVERPOOL MERCANTILE MARINE SERVICE ASSOCIATION:—Reporter, vols. 7-8.
- LIVERPOOL PHILOMATHIC SOCIETY:—Proceedings, vol. 29.
- LIVERPOOL POLYTECHNIC SOCIETY:—Journals; Annual Report; Prize Essay on Machine Belting, by A. H. Barendt; Paper by T. Marsden, and Lecture by E. Latham.
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- LONG, CAPT. S., R.N. (the Author):—On Libraries considered as Subsidiary to Education.
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- MANCHESTER STATISTICAL SOCIETY:—Transactions, 1883-4.
- MARRAT, F. P., LIVERPOOL:—Account of Ceylon, by R. Percival; Catalogue of Third Exhibition of Fine Art Objects, Liverpool, 1844; The Hindoe-Roman Orthoepigraphical Ultimatum, by J. B. Gilchrist, LL.D.; The British Months: a Poem, by Bishop Mant. 2 vols.
- MARRIAGE LAW DEFENCE UNION:—Tracts, Nos. 1-38.
- MARRIAGE LAW REFORM ASSOCIATION:—Opinions of the Hebrew and Greek Professors of the European Universities, &c., on the Scriptural Aspect of the Question of Marriage with a Deceased Wife's Sister; edited by T. P. Allen (8 copies).
- MARSDEN, J. (the Publisher):—Anglo-Indian and American Traders' Journal, 1884.
- MARSHALL, A. M. AND W. P. (the Authors):—Report on the Oban Pen-natulida.
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- NORSKE GRADMAALINGSKOMMISSION :—Vandstandsobservationer, hefte 2.
- NORWEGIAN GOVERNMENT :—Norwegian North Atlantic Exhibition : Zoology, pt. 11.
- NOTTINGHAM FREE PUBLIC LIBRARIES :—Class List (No. 4) of Books in the Reference Library.
- ORIENT LINE OF STEAMERS Co. :—Illustrated Guide of the Orient Line of Steamers between England and Australia.
- PARIS MUNICIPAL COUNCIL :—Rapport sur le service des enfants assistés, 1876-77; Rapport sur l'organisation définitive du service des halles et marchés; Rapport de M. Gréard sur l'enseignement primaire à Paris, &c., 1867-77; Concours musical de 1881-82: Rapport de M. Perrin; Rapport de M. Marié-Davy sur l'emploi de la subvention municipale applicable à l'étude de l'hygiène de Paris, 1878; Note du Directeur des travaux de Paris sur la situation du service des eaux et des égouts, 1878.
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- ROBSON, RICHARD :—The Practical Mechanic and Engineer's Magazine, vols. 1-4.
- ROWNTREE, J. S., LORD MAYOR OF YORK (the Author) :—Free Libraries: an Address; Municipal Corporations: a Lecture.
- ROYAL ASTRONOMICAL SOCIETY :—Memoirs, vols. 46, 47, and 48, part 1; Monthly Notices.
- ROYAL COLONIAL INSTITUTE :—Proceedings, vol. 15.
- ROYAL DUBLIN SOCIETY :—Scientific Transactions, vol. 1, parts 20-25, and vol. 3, parts 1-3 (ser. 2); Scientific Proceedings, vol. 3, parts 6-7, and vol. 4, parts 1-4 (new series).
- ROYAL INSTITUTE OF BRITISH ARCHITECTS :—Transactions, 1883-4; Proceedings, 1883-4; List of Members, 1884.
- ROYAL SOCIETY OF LONDON :—Philosophical Transactions, vol. 174, part 2.
- ROYAL SOCIETY OF CANADA :—Proceedings and Transactions, vol. 1.
- ROYAL SOCIETY OF VICTORIA :—Transactions and Proceedings, vol. 20.
- RUNCORN FREE PUBLIC LIBRARY :—Catalogue of the Lending Library, 1884.
- ST. LOUIS PUBLIC SCHOOL :—Library Bulletin.
- SAKER, MRS. EDWARD, ROYAL ALEXANDRA THEATRE, LIVERPOOL :—Playbills, &c., 1884.
- SAMUEL, SIR SAUL, K.C.M.G., AGENT-GENERAL FOR NEW SOUTH WALES :—Handbook for New South Wales (2 copies).
- SANITARY ASSURANCE ASSOCIATION :—Sanitary Arrangements of Dwelling Houses, by M. H. Judge.
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- SMITHSONIAN INSTITUTION:—Annual Report of the Board of Regents, 1882.
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- SOCIETY OF ANTIQUARIES OF SCOTLAND:—Proceedings, vol. 17, 1882-3.
- SOUTH AUSTRALIAN INSTITUTE:—Final Report, 1884.
- SOUTH KENSINGTON MUSEUM:—Calendar and General Directory, Science and Art Department, 1884; Drawings of Glass-Cases in the South Kensington Museum.
- SPRATT, VICE-ADMIRAL T.A.B., C.B. (the Author):—Report on the Present State of the Navigation of the Mersey (3 copies).
- STATISTICAL SOCIETY:—Catalogue of the Library, 1884.
- SUTTON, C. W., MANCHESTER:—The Office of Reason in Religion, by J. Clarke; A Sketch of the State of Christianity in Wales, by W. Richards; A Brief Account of the Original State of the Sacred Writings, by W. Richards.
- SWANSEA PUBLIC LIBRARY:—Supplemental Catalogue of the Lending Department, 1878-83.
- SWEDENBORG SOCIETY, BRITISH AND FOREIGN:—74th Report.
- TASMANIAN GOVERNMENT:—41 Photographic Views in Tasmania.
- THOMAS, HUGH O., M.R.C.S. (the Author):—Contributions to Surgery and Medicine.
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- TORONTO PUBLIC LIBRARY:—Catalogue of the Circulating Library.
- TOWNSEND, B. O'NEILL, A.B. (the Author):—Plantation Lays, and other Poems.
- TRINITY COLLEGE, LONDON:—Calendar, 1884-85.
- TURNER & DUNNETT, MESSRS. (the Publishers):—Historie and Guide to Liverpool, by Triplets.
- UNITED STATES GOVERNMENT:—Astronomical and Meteorological Observations made at the United States Naval Observatory, 1879-1880; Alphabetical List of Additions made to the War Department Library, from June 1882; The Teaching, Practice, and Literature of Shorthand, by J. E. Rockwell; Statistics of the 10th Census of the United States: Report, vols. 1-8; United States Coast and Geodetic Survey: Reports of the Superintendent, 1882.
- UNION OF LANCASHIRE AND CHESHIRE INSTITUTES:—Report, 1883-84.
- VACHER, FRANCIS, M.D. (the Author):—Report on the Sanitary Condition of Birkenhead, 1883.
- VORSTERMANN VAN OYEN, CHEVALIER:—Dictionnaire nobiliaire.
- WADE, CHRISTOPHER:—Liverpool Mercury, vol. 1, No. 17.
- WATTS, W. M., D.SC. (the Author):—A School Flora for the use of Elementary Botanical Classes.
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- WORKINGMEN'S LORD'S DAY REST ASSOCIATION:—Working Class Organizations and the Sunday Opening of Museums.
- YARKER, JOHN (the Author):—Speculative Freemasonry.
- YORK SUBSCRIPTION LIBRARY:—Appendix to the General Catalogue, 1883.
- YORKSHIRE UNION OF MECHANICS INSTITUTIONS:—Report, 1884.
- YOUNG, G. E. (the Compiler):—Liverpool Cyclists' Pocket Guide and Club Directory, 1883-4. 2 vols.
- YOUNG, HENRY:—Some Account of the Ancient Chapel of Toxteth Park, Liverpool, by Valentine D. Davis, B.A.
- ZOOLOGICAL SOCIETY OF LONDON:—Proceedings, 1884, pt. 2; List of Fellows, 1884.

LENDING LIBRARIES.

TABLE I.—General Statistics :—

	1884.			1883.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Volumes lent	202,840	188,649	391,489	202,710	176,102	378,812
New Tickets issued	2,313	2,247	4,560	2,296	2,139	4,435
Tickets renewed	2,198	1,820	4,018	2,142	1,894	4,036
Tickets cancelled	2,240	2,213	4,453	2,344	2,538	4,882
Total No. of readers on the books	4,484	4,149	8,633	4,411	4,155	8,526
Books lost or injured, and paid for	21	29	50	25	27	52
Books lost	—	—	—	—	—	—
Volumes worn out—withdrawn..	237	1,479	1,716	—	—	—
Volumes worn out—replaced....	838	371	1,209	443	411	854
New volumes added	564	570	1,134	513	488	1,001
Total No. of vols. in the Libraries	22,805	21,970	44,775	22,478	22,879	45,357

TABLE II.—Showing the Classification of Volumes Lent and Added:—

	Volumes Lent.			Volumes Added.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Theology	3,891	3,177	7,068	26	23	49
Natural Philosophy	3,037	2,664	5,701	19	19	38
Natural History	2,310	1,870	4,180	11	13	24
Science and Arts	9,261	6,738	15,999	28	22	50
History and Biography	9,517	7,908	17,425	49	43	92
Topography and Antiquities	973	937	1,910	8	7	15
Voyages and Travels	5,424	4,931	10,355	27	26	53
Miscellaneous Literature	12,297	10,650	22,947	95	100	195
Jurisprudence, Law, and Politics	327	265	592	5	4	9
Commerce and Political Economy	596	630	1,226	8	11	19
Education, Languages, and Logic	1,802	1,384	3,186	6	4	10
Poetry and the Drama	1,215	1,680	2,895	11	7	18
Prose Fiction	151,963	145,289	297,252	271	291	562
Latin and Greek Classics	176	266	442	—	—	—
Books for the Blind	51	260	311	—	—	—
TOTAL	202,840	188,649	391,489	564	570	1134

WINTER LECTURES, 1884.

The Nineteenth Winter Course of Free Lectures, forty in number, was delivered in the Rotunda Lecture Hall, in January, February, and March, 1884.

Total number of persons who attended the Lectures	47,490.
Average per Lecture	1,187.

LIST.

Liverpool Sixty Years since: illustrated by the Oxyhydrogen Light, by Sir J. A. Picton, J.P., F.S.A.

A Nineteenth Century Cathedral: illustrated by the Oxyhydrogen Light, by Sir W. B. Forwood, J.P.

A Visit to the Falls of Niagara: illustrated by the Oxyhydrogen Light, by Mr. William Lant Carpenter, B.A., B.Sc., F.C.S.

The Life and Work of Sir W. Siemens, by Dr. Oliver J. Lodge, Professor of Physics, University College, Liverpool.

The Division of Labour and the Education of the People, by Mr. J. MacCunn, M.A., Professor of Philosophy and Political Economy, University College, Liverpool.

Piracy in Chinese Waters: illustrated by the Oxyhydrogen Light, by Captain E. Stubbs, R.N.

Charles Dickens, by Rev. S. Fletcher Williams.

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Spectacles; or, How will he Look at it? by Rev. J. Burbidge.

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A Piece of Chalk: illustrated by experiments, by Mr. E. Davies, F.C.S., F.I.C.

Mount Vesuvius and the long buried Cities of Herculaneum and Pompeii: illustrated by the Oxyhydrogen Light, by Rev. W. W. Phillipson, O.S.B.

Concerning Insanitary Houses.—Light, Pure Air, and Water: how to obtain them. Illustrated by the Oxyhydrogen Light, by Mr. Coard S. Pain, F.S.I., Engineer to the Northern Sanitary Association.

Recent Additions to the Museum: illustrated by the Oxyhydrogen Light, by Mr. T. J. Moore, Curator of the Free Public Museum.

Readings, Humorous and Dramatic, chiefly original, by Mr. R. Crompton.

The Dangerous Classes, by Rev. Hugh Stowell Brown.

Concerning Insanitary Houses.—Impure Air and Water: their evil effects; illustrated by experiments, by William Carter, M.D., B.Sc., LL.B. (Lond.).

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Corals and Coral Islands.—Part 2—How Coral Reefs are formed: illustrated by the Oxyhydrogen Light and Specimens, by Dr. W. A. Herdman, F.R.S.E., F.L.S., Professor of Natural History, University College, Liverpool.

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Customs, Superstitions, and Folk-Lore of Lancashire, by Mr. Peter Cowell, Chief Librarian, Free Public Library.

Beethoven, his Times and Music: illustrated by vocal and instrumental music, by Mr. G. Ashdown Audsley and Mr. H. A. Branscombe.

Our Empire of the Sea—How we Won it and How we have Kept it, by Mr. Willmott Dixon, LL.B., of Trinity College, Cambridge, and the Inner Temple.

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The Clarionet, Oboe, and Bassoon — their Acoustical Properties demonstrated experimentally: with illustrations by the Oxyhydrogen Light, by Rev. S. Sircom, S.J.

Stories in Marble: with illustrations of ancient and modern sculpture, exhibited by the Oxyhydrogen Light, by Mr. Charles Dyll, Curator of the Walker Art Gallery.

Sacred Animals: illustrated by the Oxyhydrogen Light, by Mr. Charles Tindal Gatty, F.S.A., Curator of the Mayer Museum.

Humorous and Dramatic Recitals from English and American Authors, by Mr. William Bennett.

MUSEUM REPORT.

CIRCULATING MUSEUM COLLECTIONS FOR SCHOOLS AND OTHER EDUCATIONAL PURPOSES.

AN experiment, occupying a considerable amount of time in preparation, new to Museums, and of much promise, was commenced by the Committee in the Spring, and has been carried on with considerable success.

It consists in the selection and arrangement of duplicate specimens of instructive and attractive character from the Museum collections, and placing them in small portable cabinets of less than two feet cubical measurement, of plain and simple construction, and very portable.

These cabinets are circulated one by one for a definite period of one month among such of the Public Elementary Schools of all denominations, within the Parliamentary boundaries of the City, as have, on invitation, expressed a desire to receive them.

Sixteen cabinets are in circulation, and sixty-four schools have each had a cabinet for one month, with very satisfactory results. The specimens have suffered no damage, and the teachers have been glad to receive them as most useful and attractive subjects for object lessons to their various classes. The cabinets are now going the round of the schools again, each school receiving a different cabinet from the one that preceded it.

AQUARIA.

Several new Aquaria are being fitted up for the display both of marine and fresh-water specimens on a larger scale than has hitherto been attempted in the room devoted to this purpose. The old Aquaria, although on a small scale, have always been popular. Many objects of rarity and interest have been exhibited from time to time, several of which have lived many years in the limited accommodation provided for them, and it is hoped that the improved arrangements may be still more successful and attractive.

MUSEUM.

The visitors to the Museum during the year have been as follows :—

	1884. 217 Days.	1883. 214 Days.
Total Visitors in the year	370,744	386,275
Weekly average	7,129	7,425
Daily average	1,708	1,805

The 18th of October, 1884, was the 23rd anniversary of the opening of the Museum in the present building.

The total number of visitors during that time amounts to 9,833,498, giving a yearly average of 427,543.

DONATIONS, &c.

A small collection of Eggs from the Falkland Islands; presented by Mr. John Bonner.

A young double-bodied Harp Seal, from the Newfoundland Fisheries; presented by Mr. Henry Bowring.

A Ring-tailed Coati-Mundi, *Nasua rufa*, from the Argentine Misiones; presented by Ramon Cavenago, second commander of the gunboat "Uruguay."

A considerable collection of specially selected specimens of Fossil Corals, Graptolites, weathered specimen of Eozoon, &c., &c., from Canada; presented by Sir J. W. Dawson, F.R.S., M'Gill University, Montreal (some in Exchange).

A Hooded Crow, *Corvus cornix*, shot at Huyton; presented by Mr. H. S. Daine.

The Hand, Foot, and Ear of a large Chimpanzee, *Anthropopithecus troglodytes*, brought from Cameroons, in exchange; also 10 specimens of Spiders from Cameroons; presented by Miss Gertrude M. Fletcher.

A slab of new Red Sandstone, showing ripple marks, from the Lime Street Tunnel; presented by Mr. J. A. Forrest.

A branch of a Date Palm, laden with fruit, from Madeira; presented by Mr. G. F. Graham, per Mr. Aug. Cros.

A second Molar of a young Indian Elephant; presented by Mr. W. Hewitt.

Three specimens of Stalactitic Sulphate of Iron, from the roof of a coal mine; a nodule of grey Chert found in the Yard Coal Mine, July 1879, at Kirkless Colliery, Aspull, at a depth of 18 inches in the seam of coal; 4 specimens of smooth and curly Cannel Coal from North Wales, and 4 specimens of curly and plain Anthracite Coal from South Wales; presented by Mr. Henry Hall, H.M. Inspector of Coal Mines, Rainhill.

A Kestrel, Nests and Eggs of British Birds, specimens of Fresh-water Fish for Aquaria, &c.; presented by Mr. John Hannam.

Specimens of Entozoa from the Horse, Dog, &c., prepared and presented by Professor Allen Harker, F.L.S.

A specimen of Crystallized Salt (sun-dried) from Benghazi, Egypt; presented by Captain John Hollis.

Piece of a Pile bored throughout by Teredos in 11 months at Lankat Wharf, Sumatra; presented by Mr. Alfred Holt.

A Great Marbled Godwit, *Limosa fedoa*, from Cedar Grove, Florida; a Green Heron, *Ardea virescens*, from Black Creek, St. John's River, Florida; three Ground Doves, *Chamæpelia passerina*, from Green Cove Spring, Florida; a Common Thrush from Morsgail, Isle of Lewis, and a specimen of a white variety of the Red-Throated Diver, *Colymbus septentrionalis*; presented by Mr. Hugh Heywood Jones.

The skin of a Yapock Opossum; two Woodpeckers; a Barbet; a Cocoon of an Attacus Silk Moth; specimens of twelve species of Land and Freshwater Shells and a Water Scorpion from San Paulo, Brazil; presented by Mr. E. Dukinfield Jones, C.E., Corresponding Member of the Literary and Philosophical Society, Liverpool.

Two specimens of the Coypu Rat, a Capybara skin and skull, and a collection of specimens, chiefly Marine, made on a voyage between the West Coast of South America and Liverpool, collected and presented, with written notes and observations, by Captain S. Griffith Jones, barque "Hermine," Associate of the Literary and Philosophical Society of Liverpool.

Skulls and Bones of Gorilla and Chimpanzee (?) and five Skulls of Hippopotamus from West Africa; presented by Mr. Alfred L. Jones (Messrs. Elder, Dempster and Co.), per Mr. C. Potter.

The Skull and Jaws of a Ceylon Elephant; presented by Mr. Hugh Ledward, Colombo, Ceylon, per Mr. J. A. Ledward.

Two specimens of the rare Rocky-Mountain Goat, *Mazama Americana*, specially collected for the Museum and presented by Mr. St. George Littledale.

Three young living Alligators from New Orleans; presented by Captain Lochead, S.S. "City of Paris."

Specimens of Horns and Bones of Ox, Bones of Sheep, and Fragments of Bottle marked "John Love, Cor. 1722," found in lowest excavations (in blue mud) for new buildings in Paradise Street; presented by Mr. Philip McEvoy, per Sir J. A. Picton.

A young specimen of *Funiculina quadrangularis*, collected at Oban, 1883; presented by Mr. W. P. Marshall.

A specimen of the American Sheep's-head Fish, *Archosargus probatocephalus*, also a specimen of American Shad; presented by Captain J. H. Mortimer, Associate of the Literary and Philosophical Society of Liverpool.

Thirty living specimens of small British Coral, *Balanophyllia regia*, and 120 specimens of Sea Anemones, *Actinia bellis*, *Actinia gemmacea*, and *Syhyrodeta*, from Ilfracombe; presented by Mr. Charles Moss, for the Aquaria.

A Mud-daubing Wasp's Nest, *Pelopæus*, taken from a clock brought from the West Indies for repair, the works of which were stopped by the nest; presented by Mr. H. J. Nicholls.

The Nest of a Tree Wasp, *Vespa*, from the ceiling of a summer-house at Llangollen; presented by Mr. John Pownall.

Six hundred Ova of the Loch Leven Trout; presented by Mr. W. Ramsbottom.

A flexible Coral, *Gorgonia viminalis*, from Maranham; presented by Captain Roach.

A Collection of 48 specimens of 48 species and varieties of small Land Shells, *Clausiliæ*, from the Levant; collected and presented by Vice-Admiral T. A. B. Spratt, C.B., F.R.S.

Two specimens of Pinna Shells; presented by Mr. Schnitger.

Two heads of Four-horned Sheep (a lamb and a four-year old ram); presented by the Rev. Thomas Staniforth.

Four bottles of small Freshwater Fishes from Uruguay; presented by Mr. W. J. Sloane, Estanzia del Ombu.

Eight Rattles of Rattlesnakes, from Ceara, North Brazil; presented by Dr. W. Studart.

An Albino Opossum, *Didelphys*, from America; presented by Mr. Federico T. Sulvas.

A collection of 95 selected specimens of about 50 species of Butterflies, from West Africa; presented by Miss Marian Swanzy, per Mr. S. Leigh Gregson.

Two blocks of earth containing Nests of Trapdoor Spiders, and living and dead specimens of the spiders, from Bordeaux; presented by Mr. Frederick Taylor.

A photographic view of the Skeleton of Iguanodon in the Brussels Museum, and of a Claw from the Isle of Wight; presented by Mr. G. Thomas.

A specimen composed of Curvilinear Lenticular Crystals of Calcite (Carbonate of Lime), from the floor of a Lead Mine at Bryn-yr-afr, Aberystwith; presented by Mr. Norman Thomas, per Mr. George Thomas.

A South American Barn-Owl, *Strix flammea*, from Venezuela; presented by Senor Jose J. Vegas, Caraccas, per Mr. F. W. Earle.

A collection of Marine and other specimens, collected on a voyage from Liverpool to Brazil and Burmah; collected and presented by Captain W. H. Cawne Warren, ship "Bedfordshire," Associate of the Literary and Philosophical Society of Liverpool.

A Green Woodpecker, a Rock Dove, and other British Birds; presented by Mr. Thomas West.

A living specimen of a green Locust, *Copiphora cornuta*; presented by Mr. D. de Yborrondo.

Four specimens of Coral, from the Java Sea, brought by Captain Anderson, of the Siamese Barque, "Koon Kramorn," from the scene of the late Earthquakes in the Bay of Sunda; deposited by Capt. Findlay.

A Cast, from the original slab in the British Museum, of the Fossil Bird from the Lithographic Stone at Solenhofen, Bavaria (*Archæopteryx lithographica*); presented by the Trustees of the British Museum, in exchange, per Dr. Henry Woodward, F.R.S.

PURCHASES.

The principal purchases during the year have been as follows, many of the vertebrates having been obtained for Osteological purposes:—

A Human Skeleton, for Lecture purposes; a White-Thighed Macaque Monkey; a Tortoise-Shell Marmoset; a Stuffed Wolf; a Wolf and Jackal, for Skeletons; a male Pudu Deer (*Pudua humilis*), from Chili, (the smallest living species of true Deer); a Servaline Cat (*Felis*); an Indian Paradoxure (*Paradoxurus Grayi*?); four Jerboas (*Dipus*); a Two-Toed Sloth (*Cholopus Hoffmanni*); a large upper grinding tooth of an Indian Elephant, weighing over seventeen pounds; the Skull of a Rhinoceros; a large and very complete Skull of Hippopotamus; the Skull of a Dugong; the Skull of a Viscacha (*Lagostomus trichodactylus*); Mounted Skeletons of an Opossum (*Dasypus viverrinus*), and of the rare Marsupial, *Myrmecobius*; and disarticulated Skulls of a Young Orang and American Tapir.

A Crested Eagle; a Yarrell's Curassow (*Craz carunculata*); a Sarus Crane (*Grus antigone*); two Puffins; a Bittern, shot some years since at Formby; and three Australian Banded Grass-Finches (*Poephila cincta*).

A Zonure Lizard (*Zonurus Derbianus*); Mounted Skeletons of the gigantic Japanese Salamander (*Megalobatrachus maximus*), of an Aldrovandi's Skink Lizard (*Plestiodon auratus*), of an *Amphisbœna*, and of a Common Snake.

An Electric Ray (*Torpedo vulgaris*), weighing seventeen pounds, caught in a trawl net by fishermen, at Meols Bay, off Southport.

Specimens of *Trophon Gerversianus*, *Cypricardia oblonga*, *Turbo Jordani*, and twenty other selected species of Shells.

Fifty-seven selected specimens of British Insects, chiefly Lepidoptera; and two Spiny Lobsters, from Adelaide.

Three large Starfish (*Oreaster*) from Billiter Island, and two other Echinoderms.

Thirty selected specimens of Marine Invertebrates and two Young Torpedo Fish (*Torpedo ocellata*), from Dr. Dohrn's Marine Zoological Station at Naples.

A section of a large specimen of Brain Coral; a *Porites* Coral from Billiter Island; a Gorgonia from Mauritius; fifteen small Corals, &c., from a Submarine Telegraph Cable at Porto Rico; and a large specimen of Glass-Rope Sponge (*Hyalonema*).

A Lower Jaw of a rare species of Mastodon (*Mastodon andium*), with the Molar Teeth in place, illustrating the final stage of dentition, from the Newer Tertiary formation of Potosi, South America; also a detached Upper Molar Tooth of the same species, and from the same locality.

A small Slab of Fossil Echinoderms, *Melonites multipora*, from the Sub-carboniferous Limestone of St. Louis, U.S.A.; a Fish Palate, *Lepidotus Mantelli*; polished sections of *Ammonites heterophyllus* and *A. raricostatus*; Casts of Fish Teeth, *Deltodus*, *Orodus*, and *Acrodus*, of a Saurian Tooth, *Pliosaurus*, and of an Ichthyosaurus Paddle.

Three Peruvian Fossils, *Leptaena* and *Spirifera*; fourteen specimens of *Graptolites*, chiefly from Skiddaw, and a collection of Carboniferous Fossils.

A collection of selected Fossils, chiefly from the Carboniferous Limestone of Belgium.

Large polished section of Agate, and of Moss Agate; specimen of Amber and of Turquoise; a fine specimen of Iceland Spar, and of Crystallized Native Copper, and a large group of Crystals of Stibnite, or Sulphide of Antimony, from Japan.

MAYER MUSEUM.

During the past year numerous additions have been made in the various departments, particularly in the collection of local pottery. The Ethnographical Department has also received numerous additions, and has become more fully developed than any other department in the Mayer Museum.

New balustrade cases have been placed in the Pottery Gallery, and have materially assisted in the better display of the specimens, and they have also considerably eased the wall cases in which the specimens were previously cramped for space.

DONATIONS.

Sheet of White Tappa Cloth, from the Sandwich Islands; presented by Mr. R. W. Janion.

Three Chinese Compasses, presented by Mr. Andrew Burman.

A Collection of Ethnographical Specimens, from the Andaman Islands; presented anonymously.

Cast of a Roman Stone Carving, found in Cumberland; presented by Mr. Robinson.

Two Stone Implements and part of an Urn used by the Aborigines of North Brazil; presented by Dr. W. Studart.

Tinder-Box Pistol; presented by Mr. Charles T. Gatty.

Girdle Dress and a Knife, from Central Africa; presented by Dr. A. Macdonald.

Impression from the Great Seal of Queen Victoria; presented by Mr. Arthur Earle.

A Collection of Egyptian Antiquities, found in 1884 by Mr. Flinders Petrie, mostly at San el Hagar; presented by the Committee of the Egyptian Exploration Fund. These specimens prove interesting as having the exact localities attached to them.

A Granite Lion, from the Foochow Pagoda, China; presented by Mr. T. Tolson Edward.

A Plaque, with figures of Idols, probably part of a frieze, found by Captain C. C. Wyse on his estate at Syriam, Burmah; presented by Captain Cawne Warren.

PURCHASES.

Australian Boomerang.

Adze, stone head, and elaborately carved wooden handle, from the Hervey Islands.

Two Fetish Figures, from West Africa.

Collection of Antiquities.

Calvert and Williams, "Fiji and the Fijians."

Japanese Musical Instrument.

Seven Greek Votive Offerings.

Twelve specimens of Liverpool Printed and other Pottery.

Pair of Artificial Cock's Spurs, made by Rodgers and Sons.

Series of Photographs of Greek Antiquities, &c.

Sixty Prints, Portraits, &c., from various Magazines.

Sextant, date 1786, and "The Parallatic Rotula for finding the Longitude at Sea."

Cast of a Medallion of Mrs. Hay; Cup and Saucer of Herculaneum Ware.

Eleven specimens of Liverpool Printed and other Pottery.

Delft Dish, Liverpool Printed Jug, and a Plate of Herculaneum Ware.

Selection of Staffordshire and other Pottery.

Cream-coloured Printed Plate, impressed "HERCULANEUM."

War Axe, from the Gaboon River, West Africa.

Four Spears, from New Britain.

Liverpool Printed Jug.

Jug, Printed with Sadler's Transfers.

Mask, from New Ireland.

Collection of 40 National Medals.

Two Jars of Japanese Cloisonné Enamel, and Piece of Carved Agalmatolite.

Two Japanese Teapots, Banko Ware, and a North American Paddle.

WALKER ART GALLERY.

The Gallery has been open to the Public on 256 days during the year, and closed on 57 days for cleaning and rearrangement of the Permanent Collection. 497,104 persons visited the Gallery during the year, being a daily average of 1,941. Of this number 105,774 paid for admission to the Autumn Exhibition of Pictures, and nearly 10,000 school children—specially invited to the Exhibition—are also included in the gross total of visitors.

The following pictures were lent for exhibition by the Trustees of the National Gallery, acting under the terms of the National Gallery Loan Act. These works will be permitted to remain at the Gallery so long as the conditions as to insurance, &c., are carried out:—

"Cleombrotus ordered into Banishment by Leonidas;" by Benjamin West, P.R.A.

"Old Pier, Little Hampton;" by Sir A. W. Callcott, R.A.

"The Countess of Darnley;" by Sir Thomas Lawrence, P.R.A.

"Female Bathers;" by William Etty, R.A.

"A Capuchin Friar, Calais;" by E. V. Rippingille.

"The Surprise:" by C. M. Dubufe.

"Bloodhounds and Pups;" by Charles Landseer, R.A.

"The Foundling;" by G. B. O'Neil.

"Evening in the Meadows;" by F. R. Lee, R.A. (Cattle by T. Sidney Cooper, R.A.).

"View of Rome from the Vatican;" by J. M. W. Turner, R.A.

"Rizpah watching the Bodies of her Sons;" by J. M. W. Turner, R.A.

"Venice Quay—the Riva, degli Schiavoni;" by J. M. W. Turner, R.A.

Photographs of the principal pictures in the Permanent Collection, taken by Messrs. Brown, Barnes and Bell, have been on sale during the year (prices 2s., 1s., and 6d.). As the fact of these being obtainable becomes more widely known they will, no doubt, be in considerable demand among connoisseurs and art lovers generally.

The Committee acceded to a request from the Manchester Arts Committee for the loan of the Rossetti Picture "Dante's Dream" for their Autumn Exhibition. The opportunity of seeing this celebrated work was very highly appreciated by the Manchester public.

The Committee have also granted permission to several illustrated journals to reproduce some of the pictures for their pages in the form of wood and steel engravings, etchings, &c.

AUTUMN EXHIBITION OF PICTURES.

Number of Pictures and other Works of	1884.	1883.
Art Exhibited	2,280	1,636
Number of Pictures Sold	291	226
Amount realised by Sales	£12,313 7 6	£8,472 10 6
Season Tickets	3,464 649 7 6	2,098 381 3 6
Admission at One Shilling	39,332 1,966 12 0	26,041 1,302 1 0
Ditto Sixpence	21,401 535 0 6	10,936 273 8 0
Ditto Threepence	41,577 519 14 3	24,389 304 17 3
Catalogues Sold	599 13 3	434 15 9
Commission on Sales	432 6 3	403 13 0
Miscellaneous Receipts	87 7 5	32 6 10
Amount Received, Exclusive of Sales	4,315 5 6	2,696 5 6

The following Table will be read with interest by all concerned in the culture of Art:—

TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 14 YEARS, FROM 1871 TO 1884.

Year.	ADMISSIONS.			Season Tickets.	Catalogues Sold.		Commission on Pictures Sold.		Miscellaneous Receipts.		Total Receipts.		PICTURES SOLD.			
	Sixpence.		Threepence.													
	£	s. d.														
1871	720	16 0	... ..	62	2 0	165	10 0	320	18 6	46	4 4	1,523	5 4	235	6,395	2 6
1872	601	5 0	175 9 6	48	2 6	168	0 6	312	6 0	3	18 3	1,368	8 3	242	6,231	4 6
1873	665	18 0	... ..	229	10 3	199	17 6	371	17 0	2	10 0	1,566	1 3	271	7,402	17 6
1874	854	16 0	... ..	241	13 3	247	0 6	479	0 3	2	7 0	1,976	13 6	337	9,514	13 0
1875	972	13 0	77 17 6	237	14 0	279	14 8	617	3 0	11	9 2	2,406	17 11	345	12,299	18 6
1876	1,118	0 0	86 9 6	232	7 6	301	12 0	440	15 3	9	10 7	2,409	15 10	255	8,867	10 0
1877	1,928	12 0	... ..	419	3 3	454	10 1	537	11 2	18	4 2	3,801	14 8	301	10,963	11 0
1878	1,964	17 0	330 9 6	423	5 0	562	8 6	237	13 0	142	0 4	4,189	7 10	235	6,225	14 0
1879	1,516	12 0	212 1 6	378	11 9	504	9 3	364	16 0	7	17 0	3,550	15 0	267	9,159	15 0
1880	1,449	11 0	274 4 6	439	19 6	509	7 3	544	3 3	10	17 7	3,727	19 1	271	11,753	7 6
1881	1,434	15 0	289 4 6	376	4 6	468	19 9	523	7 6	15	9 6	3,583	14 9	315	12,210	11 0
1882	1,430	3 0	299 3 6	332	16 0	472	14 6	362	8 9	23	1 11	3,396	8 8	311	7,868	3 6
1883	1,302	1 0	273 8 0	304	17 3	434	15 9	403	13 0	32	6 10	3,132	5 4	226	8,472	10 6
1884	1,966	12 0	535 0 6	519	14 3	599	13 3	432	6 3	87	7 5	4,790	1 2	291	12,313	7 6
Total	17,926	11 0	2,553 8 6	4,391	13 6	5,368	13 1	5,947	18 11	413	4 1	41,423	8 7	3,902	129,678	6 0

Out of 3,902 Pictures Sold during the last 14 years the Corporation of Liverpool Purchased 48 for their Permanent Gallery, the catalogue prices of which amounted to £18,495 10s.

ADDITIONS TO THE PERMANENT COLLECTION.

PURCHASES (OIL PAINTINGS).

- "A Mastiff," by Richard Ansdell., R.A.
- "The Old Soldier," by James S. Morland (from the Liverpool Autumn Exhibition).
- "Golden Moments," by Isaac Cooke (from the Liverpool Autumn Exhibition).
- "Dante and Beatrice," by Henry Holiday (from the Liverpool Autumn Exhibition).
- "Rival Grandfathers," by John R. Reid (from the Liverpool Autumn Exhibition).
- "A New Light in the Hareem," by Fredk. Goodall, R.A. (from the Liverpool Autumn Exhibition).
- "Missed," by Julius M. Price (from the Liverpool Autumn Exhibition).
- "Lorenzo and Isabella," by J. E. Millais, R.A.
- "The Port of Liverpool, from the Cheshire Shore" (water colour), by Wm. Collingwood, R.W.S.
- Engraving of the "Madonna di San Sisto" (after Raffaello), by Professor Mandel.
- A Series of Autotype Copies of Pictures from the Galleries at Dresden and St. Petersburg.

DONATIONS.

- Portrait of John Hughes (Mayor 1882), by Jerry Barrett; presented by subscription.
- Bust of O'Connell; presented by the Catholic Union.
- Volume of Early German Prints (autotype copies); presented by the Trustees of the British Museum.
- "Mercury Instructing Cupid," copied from the original Painting by Correggio in the National Gallery, by Joseph Derry; presented by George Taylor, Esq., M.D., of Derby.
- "The Mocking of Christ" (oil), artist unknown; presented by Malcolm Guthrie, Esq., J.P.

"Madonna Pietri Degli Scrovigni" (water colour); presented by the subscribers through H. S. Rathbone, Esq.

"Eve of the Massacre of St. Bartholomew" (oil), by A. B. Clay; presented by S. H. Thompson, Esq.

A series of six Oil Paintings, illustrating "The Progress of Intemperance," by E. V. Ripplingille; presented by the Trustees of the Liverpool Institute.

A series of Photographic Views at the Cape of Good Hope; presented by Joseph Boulton, Esq., F.R.I.B.A.

"The Graces" (marble group), by John Gibson, R.A.; bequeathed by the late Spencer Steers, Esq.

The following Models, executed by James Bellamy, have been presented by William Bennett, Esq., viz.:—

St. Andrew's Castle (Fifeshire), Kirkstall Abbey, Dudley Castle, Netley Abbey, Warwick Castle, Goodrich Castle, Corfe Castle, Tintern Abbey, Kenilworth Castle, Raglan Castle, Fonthill Abbey, Berkeley Castle, Melrose Abbey, Brougham Castle, Egremont Castle, Stonehenge (Salisbury Plain), and Ruins of the Pharos in Dover Castle.

SIGNED ON BEHALF OF THE COMMITTEE,

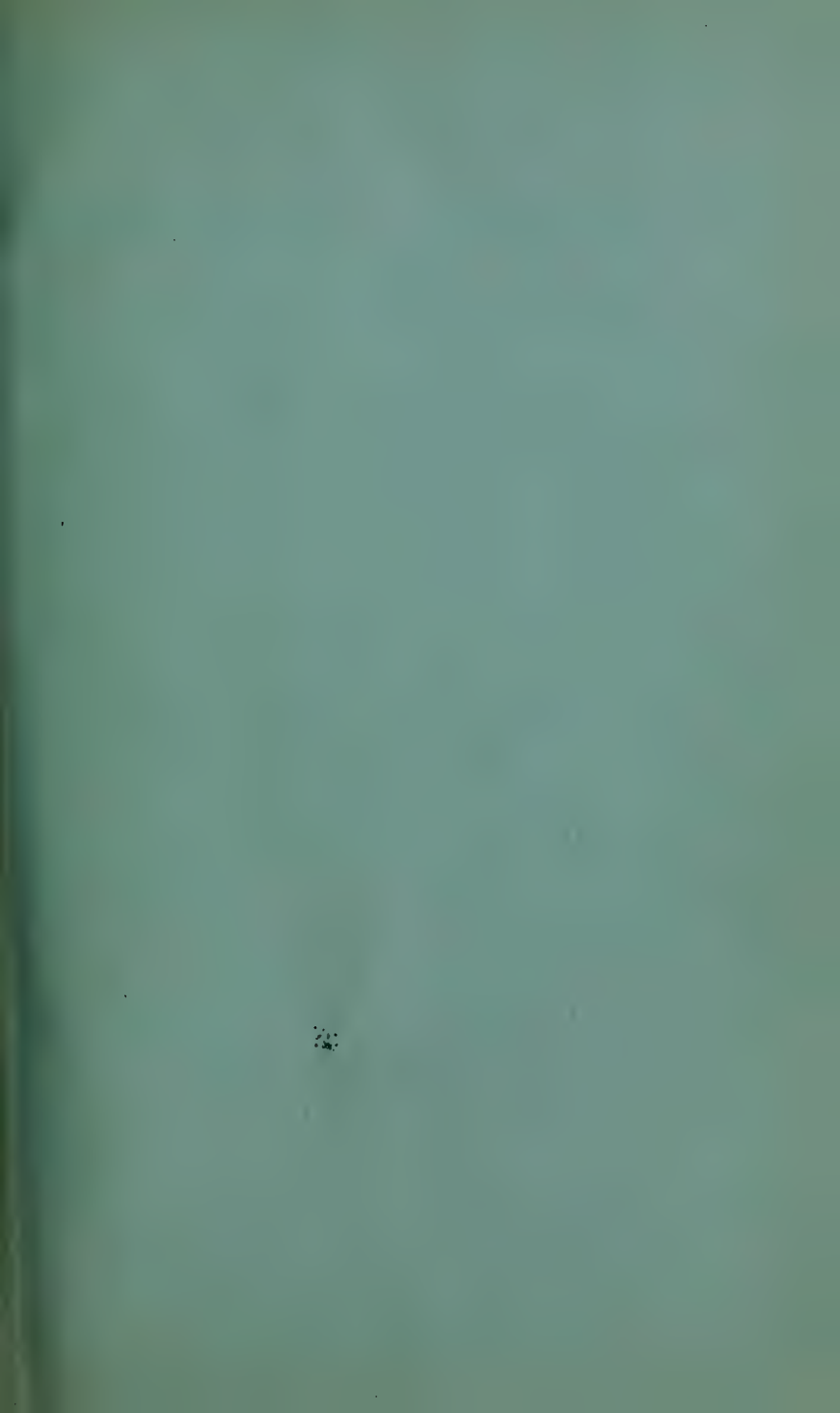
J. A. PICTON, Kt.,

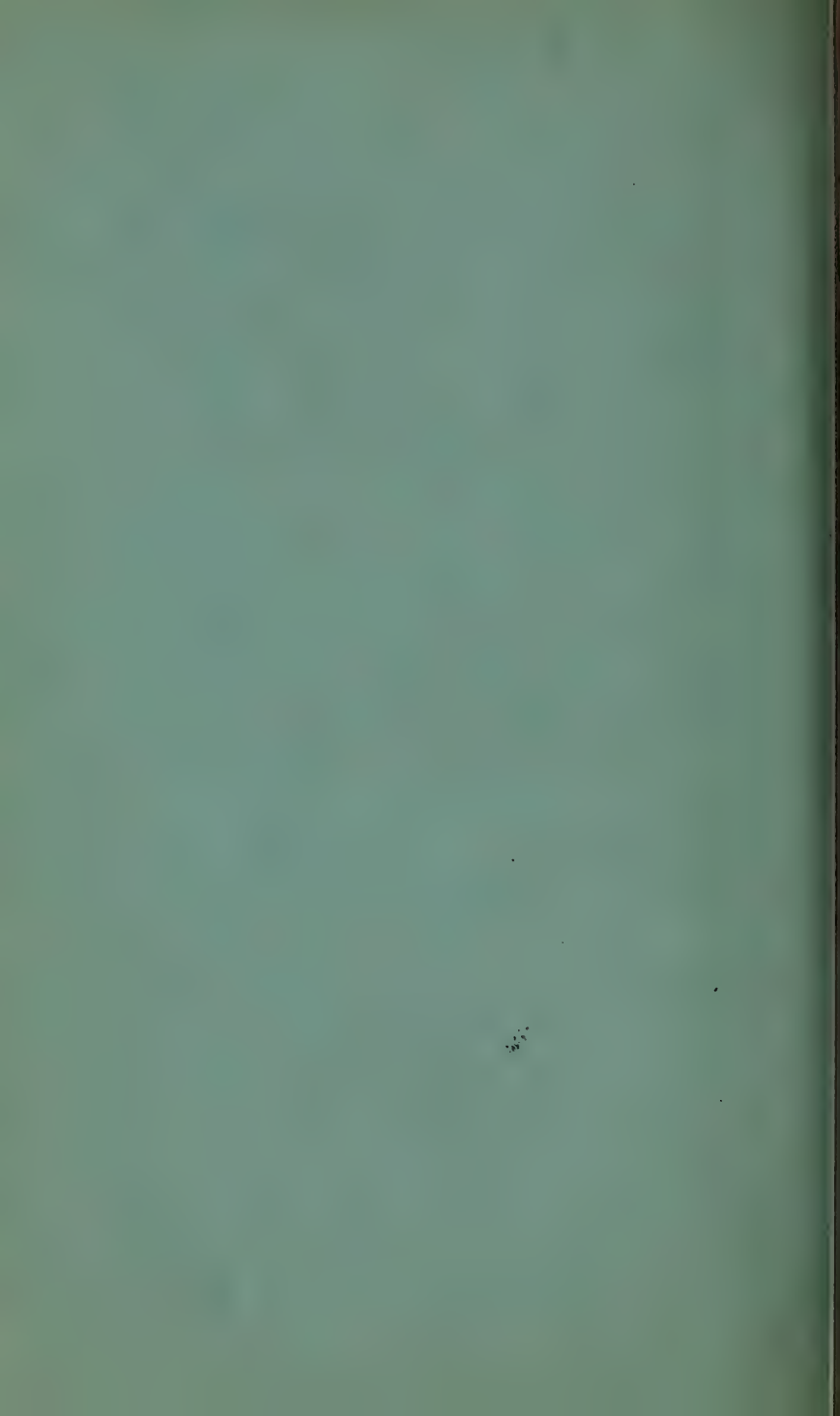
CHAIRMAN.

PRESENTED

15 JUL. 1898







THIRTY-THIRD
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY
IN THE
CITY OF LIVERPOOL.



LIVERPOOL :
A. RUSSELL, SON & BAYLEY, PRINTERS, 30, MOORFIELDS.

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FOR THE YEARS 1885-86.

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THOMAS FORMBY.

Curator of the Museum.

THOMAS J. MOORE.

Conchologist, Mineralogist, &c.

F. P. MARRAT.

Curator of the Walker Art Gallery.

CHARLES DYALL.

REPORT.

THE past year has been one of continued usefulness and steady progress, without any incidents of a sensational character.

The whole of the site is now occupied by the buildings of the three departments: the Brown Library, the Derby and Mayer Museums, and the Walker Art Gallery. Every department is fully utilized, and each is pressing for increased accommodation. This can only be obtained by extending the buildings westward, the north, east, and south sides abutting on the streets.

The premises on the west, extending to Byrom Street, are now the property of the Corporation, purchased under an Improvement Act. It is to be hoped that the time is not far distant when public opinion will be brought to bear on the subject, and will support an attempt to combine with the present institution provision for technical education in the arts and manufactures, for the want of which our artizans are placed at a great disadvantage compared with the French and Germans.

In this direction reference was made in the last Report to a proposed Collection of Casts illustrative of the progress of Art, especially as connected with architectural decoration, similar to those which exist in London and Paris. On the motion of Mr. P. H. Rathbone, a resolution was carried in the Council on 2nd December, 1885, for the establishment of such a collection, and a sum of £500 was granted for the purpose. Steps have been taken towards carrying out the proposal.

The Committee have to record with deep regret the decease of Mr. Joseph Mayer, a member of this Committee, and the generous donor of the Museum which bears his name. He had spent a long life in devotion to the illustration of historic art, of which he made a very extensive collection, a great part of it unique, and all of great value. The Wedgwood ware, the collection of ivory carvings, and the Faussett Anglo-Saxon antiquities deserve special mention. The whole collection he freely presented to the City without any restriction or condition. It may be mentioned also that at Bebington, in the neighbourhood where he resided, he formed and endowed a Free Public Library, and presented to the public an ornamental park.

The Branch Evening Reading Rooms, established last year as an experiment, have been found successful, having been visited during the year by 70,000 readers, being an average of 230 each night.

The Autumn and Winter Free Lectures, of which notices will be found below, have been eminently successful. The two Autumn courses, consisting of six lectures each, had an average attendance of 1,050. The Winter series, of a more popular character, consisted of forty lectures, most of them illustrated. The average attendance was 1,315.

The particulars of the Walker Art Gallery are given below. It will be found that, notwithstanding the exceptional character of the previous year's Exhibition, the number of visitors has only to a small extent diminished.

In the Museum the circulating loan cabinets of interesting specimens have been found exceedingly attractive in the Public Elementary Schools, and beneficial both to the teachers and pupils.

It will be seen that a valuable bequest in the Entomological department has been made by the late Mr. Nicholas Cooke, of Liscard.

The Ethnological collection, which for a considerable period was an object of great interest and instruction, is now altogether dismantled for want of adequate space, giving evidence that the extension of the Museum ought no longer to be delayed.

On the whole, the institution may be pronounced in a sound and healthy condition, performing its work quietly and unostentatiously, and materially contributing to the cause of education and progress.

REFERENCE LIBRARY.

TABLE I.—Showing the Books issued during the year :—

Classification.	Volumes.	Daily Average.
Theology, Morals, &c.	24,654	88
Natural Philosophy, Astronomy, &c.	22,681	81
Natural History	7,905	28
Science and the Arts	34,205	122
History and Biography	23,896	103
Topography and Antiquities	8,204	30
Voyages and Travels	12,618	45
Miscellaneous Literature (principally collected Works, Magazines in Volumes, &c.)	190,901	679
Jurisprudence, Law, and Politics	7,063	25
Commerce, Political Economy, and Statistics	4,355	17
Education and Language	7,148	26
Poetry and Dramatic Literature	14,109	50
Prose Fiction	258,744	920
Latin and Greek Classics and Translations	3,433	12
Heraldry, Encyclopædias, and Works of Reference	25,236	90
Total	650,152	2,316

In order to enable readers of the various magazines and periodicals to consult the current numbers without the delay of having to apply for them to the Library Assistants, they are now placed on the Library tables to be selected at pleasure. While this plan has given great satisfaction to readers and increased the use of the magazines, &c., it has prevented satisfactory statistics being taken of their issue.

It is computed, on the basis of the increased attendances this year at the Library, that their issue has greatly exceeded that of last year which amounted to 895,976.

A list of these magazines and periodicals is given on pages 6-8.

Total Patents for Inventions consulted: 16,199. Daily average: 58.

TABLE II.—Showing the number and classification of works added during the year:—

Classification.	Volumes added.	Total Number in the Library.
Theology, Morals, &c.	261	6,720
Natural Philosophy, Astronomy, &c.	84	2,070
Natural History	206	4,750
Science and the Arts	357	10,101
History and Biography	390	11,167
Topography and Antiquities	241	4,502
Voyages and Travels	101	4,752
Miscellaneous Literature (principally collected Works, Magazines, &c.)	1,074	19,942
Jurisprudence, Law, and Politics	406	7,118
Commerce, Political Economy, &c.	94	1,153
Education and Language	61	1,422
Poetry and Dramatic Literature	83	3,623
Prose Fiction	31	5,543
Latin and Greek Classics and Translations	40	771
Heraldry, Encyclopædias, and Works of Reference	126	2,795
Total	3,555	86,429

BRANCH EVENING READING ROOMS.

Place.	Attendance.	Average per night.
Stanley Road Board School	20,854	69
Queen's Road Board School	17,673	58
Chatsworth Street Board School	18,791	62
Wellington Road School... ..	12,597	41
	69,915	230

These Rooms are open from 6 to 9.30 p.m. for the reading of newspapers and periodicals.

The following is the List of Magazines and Periodicals taken in the Reference Library :—

QUARTERLY.

Annales des sciences naturelles
 Archæologia Cambrensis
 Archæological Journal
 British and Foreign Evangelical Review
 British Quarterly Review
 Calcutta Review
 Church Quarterly Review
 Dublin Review
 Edinburgh Review
 Geninen, Y
 Grevillea
 Ibis
 Journal de conchyliologie
 Journal für Ornithologie
 Journal of Anatomy
 Journal of the British Archæological Association
 Journal of the Royal Agricultural Society
 Journal of the Society of Antiquaries
 Journal of the Statistical Society
 London Quarterly Review
 Manchester Quarterly
 Mind
 Navy List
 Numismatic Chronicle and Journal
 Quarterly Journal of the Geological Society
 Quarterly Journal of Microscopical Science
 Quarterly Review
 Revue celtique
 Stray Feathers
 Sunday Review
 Traethodydd
 Westminster Review
 Zeitschrift für deutsche Philologie
 Zeitschrift für Ethnologie

MONTHLY.

All the Year Round
 American Naturalist
 Annalen der Physik und Chemie
 ——— Beiblatter zu den Annalen
 der Physik
 Annales de chimie et de physique
 Annals and Magazine of Natural
 History
 Antiquary
 Argosy
 Army List

MONTHLY—*Continued.*

Art Journal
 Association News
 Atlantic Monthly
 Band of Hope Review
 Banker's Magazine
 Belgravia
 Bibliothèque universelle
 Birmingham, &c. Hardware Circular
 Blackwood's Magazine
 Book Lore
 Botanical Magazine
 British Temperance Advocate
 Building World
 Cambridge Examiner
 Cassell's Magazine
 Century
 Chambers's Journal
 China Review
 Church Missionary Gleaner
 Church Missionary Intelligencer
 Church Missionary Juvenile Instructor
 Clergyman's Magazine
 Congregational Magazine
 Congregationalist
 Contemporary Review
 Cornhill Magazine
 Daheim
 Day of Days
 Dietetic Reformer
 Draughtsman's Sketch Book
 Ecclesiastical Observer
 Educational Times
 English Illustrated Magazine
 Englishwoman's Review
 Expositor
 Financial Reformer
 Fireside
 Food
 Fortnightly Review
 Furniture Gazette
 Gazette des beaux-arts
 Gartenlaube, Die
 Gentleman's Magazine
 Geological Magazine
 Gloucestershire Notes and Queries
 Good Health
 Good Words
 Hand and Heart
 Harper's Magazine
 Herald of Health
 Hibernia
 Home Words
 Homœopathic World

MONTHLY—*Continued.*

Indian Antiquary
 Insurance Times
 Investor's Monthly Manual
 Irish Temperance Banner
 Journal of the Chemical Society
 Journal of Science
 Journal of Speculative Philosophy
 Journal of the Clerk of Works' Association
 Journal of the Vigilance Association
 Knowledge
 Leisure Hour
 Library Chronicle
 Library Journal
 Liebig's Annalen der Chemie
 Liverpool Diocesan Gazette
 Livre, Le
 London, &c. Philosophical Magazine
 London Society
 Longman's Magazine
 Machinery Market
 Macmillan's Magazine
 Magazine of Art
 Methodist Chronicle
 Mineralogical Magazine
 Miscellanea genealogica
 Moniteur des architectes
 Month
 Musical Times
 National Anti-Vaccination Reporter
 National Review
 Nautical Magazine
 New Church Magazine
 Nineteenth Century
 North American Review
 Observatory
 Palatine Note-Book
 Petermann's Mittheilungen
 Pitman's Musical Monthly
 Portfolio
 Present Truth
 Printer's Register
 Printing Times and Lithographer
 Provincial Medical Journal
 Quiver
 Railway Guide, Bradshaw's
 Revue archéologique
 Revue britannique
 Revue chrétienne
 Royal Astronomical Society's Monthly Notices
 Royal Geographical Society's Journal
 Sanitary Record
 Science Gossip
 Shipping World
 Shorthand Magazine
 Sloan's Duployan Phonographic Journal

MONTHLY—*Continued.*

South American Journal
 Sunday at Home
 Sunday Magazine
 Temple Bar
 Theatre
 Tinsley's Magazine
 Tonic Sol-fa Reporter
 Truthseeker
 United Service Magazine
 Unsere Zeit
 Walford's Antiquarian
 Wesleyan Methodist Magazine
 Western Antiquary
 Women's Suffrage Journal
 Yachting Magazine
 Zoologist
 Zoophilist

FORTNIGHTLY.

Intermédiaire, L'.
 Revue des deux mondes

WEEKLY.

Academy
 American Settler
 Amateur Photographer
 Anglo-American Times
 Architect
 Athenæum
 Brewers' Guardian
 British Architect
 British and Colonial Printer and Stationer
 Broad Arrow
 Builder
 Builders' Weekly Reporter
 Building News
 Chemical News
 Cambridge University Reporter
 Church of England Temperance Chronicle
 Chronique des arts
 Civilian
 Colonies and India
 Comptes rendus
 Dingler's Polytechnisches Journal
 Draper
 Economist
 Electrical Review
 Electrician
 Engineer
 Engineering
 English Mechanic
 Era

WEEKLY—*Continued.*

Fair Play
Field
Fireside News
Fun
Gazette des architectes
Gardeners' Chronicle
Graphic
Grocer
Illustrated London News
Invention
Iron
Iron and Coal Trades Review
Jewish Chronicle
Journal of Gaslighting
Journal of Horticulture
Journal of the Society of Arts
Judy
Lancet
Land and Water
Law Times
Light
Liverpool Review
Local Government Chronicle
London Gazette
Medium
Mining Journal

WEEKLY—*Continued.*

Money
Moonshine
Nature
Naval and Military Gazette
Notes and Queries
Oxford University Gazette
Pharmaceutical Journal
Pictorial World
Porcupine
Public Opinion
Punch
Railway Journal
Railway Review
Sale and Exchange
Sanitary World
Saturday Review
Scientific American
Signs of the Times
Spectator
Temperance Record
Tit-Bits
Truth
Volunteer Service Gazette
Vanity Fair
Weekly Notes
World

The following Periodicals, Newspapers, &c., have been presented regularly by the Publishers :—

Amateur Photographer
Association News
American Settler
Anglo-American Times
Birmingham and Sheffield Hardware Circular
Bootle Times
Brewers' Guardian
British and Colonial Printer and Stationer
British Temperance Advocate
Builders' Weekly Reporter
Building World
Cambridge Examiner
Cape Argus
Church of England Temperance Chronicle
Church Missionary Gleaner
Church Missionary Intelligencer
Church Missionary Juvenile Instructor
Clergyman's Magazine
Colonies
Congregationalist
Day of Days

Dietetic Reformer
Draper
Draughtsman's Sketch Book
Ecclesiastical Observer
Electrical Review
Englishwoman's Review
Fair Play
Financial Reformer
Fireside
Fireside News
Food
Good Health
Hand and Heart
Herald of Health
Home Words
Homœopathic World
Insurance Times
Invention
Irish Temperance Banner
Iron and Coal Trades Review
Jewish World
Journal of Speculative Philosophy
Journal of the Clerk of Works' Association

Journal of the Statistical Society
 Journal of the Vigilance Association
 Leeds Times
 Light
 Liverpool Albion (daily and weekly)
 Liverpool and Bootle Evening Times
 Liverpool Catholic Times
 Liverpool Courier (daily and weekly)
 Liverpool Echo
 Liverpool Express
 Liverpool Halfpenny Weekly
 Liverpool Mercury (daily and weekly)
 Liverpool Porcupine
 Liverpool Post (daily and weekly)
 Liverpool Review
 Liverpoolian
 Machinery Market
 Medium
 Methodist Chronicle
 Money
 Naval and Military Gazette

New Church Magazine
 Pitman's Musical Monthly
 Present Truth
 Preston Herald
 Provincial Medical Journal
 Railway Review
 Richmond and Twickenham Times
 Sale and Exchange
 Sanitary World
 Shipping World
 Signs of the Times
 Sloan's Duployan Phonographic Journal
 South American Journal
 Sunday Review
 Temperance Record
 Tonic Sol-fa Reporter
 Western Daily Press
 Woman's Suffrage Journal
 Worcestershire Herald
 Zoophilist

The following is a list of the Newspapers provided for use in the Newsroom :—

Baner ac Amserau Cymru
 Belfast News-Letter
 Birmingham Daily Gazette
 Birmingham Daily Post
 Carnarvon and Denbigh Herald
 Freeman's Journal (2 copies)
 Glasgow Herald
 Irish Times
 Leeds Mercury
 Liverpool Daily Albion
 Liverpool Courier (6 copies)
 Liverpool Daily Post (6 copies)
 Liverpool Journal of Commerce

Liverpool Mercury (6 copies)
 London Daily News (2 copies)
 London Morning Post
 London Standard (2 copies)
 London Telegraph (2 copies)
 London Times (2 copies)
 Manchester Courier
 Manchester Guardian
 New York Herald
 Pall Mall Gazette
 Scotsman
 Western Daily Press
 Yorkshire Post

DONATIONS.

The following Donations have been received during the year :—

ABRAHAM, A. C. :—Pharmaceutical Journal and Transactions, vols. 1-9.

ANONYMOUSLY :—Account of two Cases of Diabetes, by John Bostock; The Nomenclature of the new London Pharmacopœia, by John Bostock; Remarks on Pharmaceutical Nomenclature, by John Bostock.

ANDERSON'S COLLEGE, GLASGOW :—Calendar, 1884-85.

AUTHORESS, THE :—St. George and the

Dragon: a World-wide Legend localised, by Guanon.

BAKER, ERNEST E. (the Editor) :—A True Report of certain Wonderful Overflowings of Waters in Somerset, Norfolk, and other parts of England, A.D. 1607.

BARROW-IN-FURNESS FREE PUBLIC LIBRARY :—Catalogue of the Books in the Reference and Lending Departments.

DONATIONS—*Continued.*

- BATH ROYAL LITERARY AND SCIENTIFIC INSTITUTION:—Annual Report, 1884.
- BELOE, CHARLES H.:—Annual Report of the United States Life-Saving Service, 1883-4.
- BEST, W. T. (the Editor):—*Bach's Organ Works*, vol. 1; *The Handel Album*, 2 vols.
- BEWLEY, EDWARD W. (the Author):—*Dudley Castle in the Black Country*.
- BIGGS, MISS C. A. (the Editor):—*Suffrage Stories*, Nos. 1-4.
- BIRKENHEAD LITERARY AND SCIENTIFIC SOCIETY:—Report, 1884-5.
- BIRMINGHAM FREE PUBLIC LIBRARY:—Catalogue of Books in the Reference Department, Letter B.
- BIRMINGHAM, THE MAYOR OF:—History of the Corporation of Birmingham, by J. T. Bunce, vol. 2.
- BIRT, WILLIAM, MANAGER, GREAT EASTERN RAILWAY:—*Poppy-Land*, by Clement Scott (2 copies).
- BLAKE, W. F., LONDON:—*International Policy: Essays on the Foreign Relations of England*. 2nd ed. (5 copies).
- BOARD OF TRADE, THE:—*Reports of Inquiries under the Merchant Shipping Acts, and Boiler Explosions Act*.
- BOSTON PUBLIC LIBRARY, U.S.A.:—Bulletins.
- BOSTONIAN SOCIETY, BOSTON, U.S.A.:—*Proceedings at the Annual Meeting*, Jan. 13, 1885.
- BOURSAUD, REV. EDWARD V., S.J., BOSTON, U.S.A.:—*History of the Sodalties of the Blessed Virgin Mary: a Memorial of the Tercentenary Jubilee, 1584-1884*.
- BOYLE, ROBERT, & SON, MESSRS.:—Robert Boyle, Inventor and Philanthropist, by Lawrence Saunders.
- BRADFORD PUBLIC FREE LIBRARY:—Catalogue of the Central Reference Department.
- BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE:—*Report of the Montreal Meeting*, 1884.
- BRITISH MUSEUM TRUSTEES:—*Autotype Facsimile of the Codex Alexandrinus*, vols. 1-3; Catalogue of Ancient Manuscripts, part 2—Latin; Catalogue of Indian Coins: the Muhammadan States, the Sultans of Dehli, 2 vols.; Catalogue of Printed Books, 37 vols.; Catalogue of the Birds, vol. 10; Catalogue of the Fossil Mammalia, part 1; Catalogue of the Lizards, 2nd ed., vol. 1; Guide to the Collection of Fossil Fishes; Guide to the Galleries of Mammalia; Guide to the Gallery of Reptilia; List of the Specimens of Cetacea in the Zoological Department, by William H. Flower; *Medallic Illustrations of the History of Great Britain and Ireland*, by the late Edward Hawkins, F.R.S., 2 vols.
- CASTELLAIN, ALFRED, J.P.:—*Journal of the Royal Agricultural Society of England*, 2nd ser., vol. 20, part 2, and vol. 21, part 1.
- CHRISTIE, DR. T. W. (the Author):—*Rome's Pernicious Education of the People*; and 2 other Pamphlets.
- CHURCH OF ENGLAND LAYMEN'S DEFENCE ASSOCIATION, SALFORD:—*Tracts*, 1864-1881.
- CINCINNATI CHAMBER OF COMMERCE:—*Thirty-sixth Annual Report*.
- CLEGG, THOMAS, LIVERPOOL:—*Ritualism at Maghull* (3 Pamphlets.)
- CLERMONT, THE RT. HON. LORD:—*Fortescue Family History: Supplement to Chapter 1*.
- COBDEN CLUB, THE:—*Annual Meeting, 1885: Report* (6 copies); *Cobden Club Dinner, 1885: Special Report*; *Cobden Club Leaflets*; *Depression in the West Indies: Free Trade the only Remedy*, by C. S. Salmon (27 copies); *Free Trade versus Fair Trade*, by Sir T. H. Farrer; *The Indian Council*, by William Birkmyre (3 copies); *The Public Letters of the Rt. Hon. John Bright, M.P.*, compiled and ed. by H. J. Leech; *The Trade Depression: its Causes and its Remedies*, by George W. Medley (25 copies); *Trade Depression: Recent and Present*, by Augustus Mongredien, 2nd ed. (26 copies); *The World's Workers: Richard Cobden*, by Richard Gowing (26 copies); also several Pamphlets.
- COMMONS PRESERVATION SOCIETY:—*Extracts from the Court Rolls of the Manor of Wimbledon*.
- CORNELL UNIVERSITY, ITHACA, U.S.A.:—*Library Bulletin*.
- CORTHELL, ELMER L., NEW YORK (the Author):—*The Inter-oceanic Problem and its Scientific Solution*.
- CRADDOCK, THOMAS (the Author):—*Man and Nature: Poems written long ago*; *Peterborough Cathedral: a General, Architectural, and Monastic History*.
- CRUNDEN, FREDERICK M. (the Author):—*The Functions of a Public Library and its value to a Community*.
- DANSON, J. T. (the Author):—*Under-writing of 1883-84 in England and Abroad*.
- DOHERTY, HUGH, M.D. (the Author):—*Organic Philosophy, or Man's True Place in Nature*, 5 vols.; *Philosophy of History and Social Evolution*; *Philosophie organique: l'homme et la nature*, 2me éd.

DONATIONS—*Continued.*

- DRESSER, FREDERICK:—Report on the Administration of British Burma during 1883-84.
- DRIFFIELD, E. TOWNSHEND:—Address to H. R. H. the Prince Regent (King George IV.) with Reference to a certain Outrage and Insults offered to his Royal Person, 1817.
- DUBLIN UNIVERSITY:—Calendar, 1885; Examination Papers, 1884.
- DUMBARTON FREE PUBLIC LIBRARY:—Catalogue.
- DURHAM UNIVERSITY:—Calendar, 1885.
- EDWARDS, FREDERICK W. (the Author):—The Elementary Education Acts; Technical Education: its Rise and Progress.
- ELLIS, JOHN W., L.R.C.P. (the Author):—Coleoptera of the Liverpool District, parts 5-6; The Lepidopterous Fauna of Lancashire and Cheshire, part 1.
- ENGINEERS, THE SOCIETY OF:—Transactions for 1884.
- EVANS, A., LIVERPOOL:—Spiritual Religion and Pulpit Power, by Rev. J. Thomas, D.D.
- FINANCIAL REFORM ASSOCIATION, LIVERPOOL:—Financial Reform Almanack, 1886; Reply to the Attacks upon the Financial Reform Association.
- FITZROY FREE PUBLIC LIBRARY, AUSTRALIA:—Catalogue, 1878.
- FREEMAN, HENRY (the Author):—On Speech Formation as the Basis for True Spelling.
- FRYER, ALFRED C., Ph.D., M.A. (the Author):—Aidan, the Apostle of the North; Book of English Fairy Tales from the North Country; Harold and the Months; "Vic": the Autobiography of a Pomeranian Dog.
- FULTON, R. E. (the Publisher):—Commercial Directory and Shipper's Guide, 1885.
- GIBAUD, L. D. (the Author):—An Attempt to solve the Problem of the Inspiration of the Scriptures.
- GREEN, SAMUEL S., U.S.A. (the Author):—Public Libraries and Schools.
- HALLIWELL-PHILLIPPS, J.O. (the Author):—The Stratford Records and the Shakespeare Autotypes (2 copies).
- HANCE, EDWARD W. B. M., LL.B. (the Author):—On the Relation of the State to the Individual: a Paper.
- HARRISON, REGINALD, F.R.C.S.:—Les promenades de Paris, par A. Alphand, 2 vols.
- HARVARD COLLEGE, CAMBRIDGE, MASS., U.S.A.:—Annual Report of the Curator of the Museum of Comparative Zoology, 1884-85; Bulletin of the Museum of Comparative Zoology, vol. 7, Nos. 2-8, and 11, vol. 12, Nos. 1-2; Memoirs of the Museum of Comparative Zoology, vol. 11, part 1.
- HENDERSON, ALEXANDER, AND MISS FANNY JOSEPHS, PRINCE OF WALES THEATRE, LIVERPOOL:—Playbills, &c., 1885.
- HENDRIE, MATTHEW:—Annual Report of the Royal National Life-Boat Institution, 1885.
- HILL, MISS ROSAMOND DAVENPORT, AND MISS FLORENCE DAVENPORT HILL (the Authors):—What we saw in Australia; The Recorder of Birmingham: a Memoir of Matthew Davenport Hill (2 copies).
- HOLMES, THOMAS, LIVERPOOL:—Address on the occasion of the Election of Commissioners, 1806, to Inspect the Accounts of the Liverpool Dock Estate; Letter to Dr. Lyon Playfair upon the Unhealthy State of Liverpool, by Henry Laxton; Report of the Commissioners appointed to Inspect, &c., the Accounts of the Liverpool Dock Estate, 1824; Report of the Speeches delivered at the Great Free Trade Meeting, Liverpool, 1852; True and Wonderful History of Dick Liver, by Timothy Touchstone, 1832.
- INDIA, THE RT. HON. THE SECRETARY OF STATE FOR:—The Sacred Books of the East, vols. 20, 22, and 24.
- INSTITUTION OF CIVIL ENGINEERS:—Minutes of Proceedings, vols. 79-82; Minutes of Proceedings: Name-Index to vols. 1-58, and Brief Subject-Index to vols. 59-82; Charter, By-Laws, and List of Members, 1885; Heat in its Mechanical Applications: Lectures, 1883-4; The Theory and Practice of Hydro-Mechanics: Lectures, 1884-5.
- INSTITUTION OF MECHANICAL ENGINEERS:—Proceedings, 1884, No. 4, and 1885, Nos. 1-4; General Index to Proceedings, 1874-1884.
- INTERNATIONAL CONGRESS OF ANTHROPOLOGY AND PREHISTORIC ARCHEOLOGY:—Compte rendu de la 9me session à Lisbonne, 1880.
- INTERNATIONAL HEALTH EXHIBITION EXECUTIVE COUNCIL:—Health Exhibition Literature, vols. 17-19.
- IRVING, HENRY:—Henry Irving's Impressions of America, by Joseph Hatton. New ed.
- IRWIN, THOMAS (the Author):—Winter and Summer Stories and Slides of Fancy's Lantern.
- ISAAC, MRS. S. A., LIVERPOOL (per Percy L. Isaac, M.I.N.A.):—Circular respect-

DONATIONS—Continued.

- ing the proposed formation of the Liverpool Public Library, Museum, and Gallery of Art, 1851.
- JACKSON, LUIS (the Author):—"1900": the Transference of the Jewish Sabbath to the National Day of Rest (3 copies).
- KERSLAKE, THOMAS (the Author):—The Liberty of Independent Historical Research.
- LACH-SZYRMA, REV. W. S., M.A. (the Author):—The Folk-Lore of the Sea; Two Hundred Antiquities and Places worth seeing in or near Penzance.
- LAIIRD, EGERTON K. (the Author):—A Trip to the Yellowstone National Park in 1884.
- LANCASHIRE AND CHESHIRE ENTOMOLOGICAL SOCIETY:—Annual Report, 1884.
- LEE, HAROLD, LIVERPOOL:—The Nutcracker: a Magazine of Current Literature, vol. 1, L'pool, 1874.
- LIBRARY REPORTS FROM THE FOLLOWING LIBRARIES:—Aberdeen; Aston, Manor of; Baltimore Peabody Institute; Barrow-in-Furness; Birmingham Free Libraries; Birmingham Library; Bolton; Boston, U.S.A.; Bradford; Brighton; Bristol Museum and Library; Cambridge; Cardiff; Chester; Chicago, U.S.A.; Cincinnati, U.S.A.; Copenhagen Royal Library; Doncaster; Dublin; Ealing; Germantown Friends, U.S.A.; Harvard College Library; Glasgow Mitchell Library; Glasgow Stirling's Library; Halifax; Handsworth; Kidderminster; Leamington Spa; Leeds; Leicester; Middlesbrough; New York Astor Library; New York Mercantile Library Association; New York Columbia College Library; Newcastle-upon-Tyne; Newport; Newton, U.S.A.; Norwich; Nottingham; Philadelphia Mercantile Library, U.S.A.; Plymouth; Preston; Reading; Richmond; Rochdale; St. Helen's; St. Louis Public School Library; Salford; San Francisco Mercantile Library; Smethwick; South Australia, Adelaide; Southport; Stafford; Stockport; Stoke-upon-Trent; Swansea; Toronto, Canada; Tyne-mouth; Victoria; Walsall; Wednesbury; West Bromwich; Westminster St. Margaret and St. John; Wigan; Wolverhampton; Worcester, Mass., U.S.A.
- LIVERPOOL AMATEUR PHOTOGRAPHIC ASSOCIATION:—Annual Report.
- LIVERPOOL ARCHITECTURAL SOCIETY:—Proceedings, 35th and 36th Sessions.
- LIVERPOOL ART CLUB:—Annual Report.
- LIVERPOOL ASTRONOMICAL SOCIETY:—Journal, v. 3, parts 3-8.
- LIVERPOOL CONSERVATIVE CLUB (per Major W. J. Barker, Secretary):—Proceedings in connection with the Ceremony of Laying the Corner Stone of the Liverpool Conservative Club by the Most Hon. the Marquis of Salisbury, K.G., 1882.
- LIVERPOOL COUNCIL OF EDUCATION:—Tenth Annual Report; Address by H. R. H. the Duke of Albany, K.G., and General Proceedings on the occasion of the Distribution of Scholarships and Prizes, Jan. 26, 1884.
- LIVERPOOL ENGINEERING SOCIETY:—Annual Report, 1884; Transactions, vols. 2-5.
- LIVERPOOL GEOLOGICAL ASSOCIATION:—Transactions, vol. 5, Nos. 1 and 4-10.
- LIVERPOOL GEOLOGICAL SOCIETY:—Proceedings, vol. 5, part 1.
- LIVERPOOL HORTICULTURAL ASSOCIATION:—Annual Report.
- LIVERPOOL INCORPORATED CHAMBER OF COMMERCE:—Manchester Ship Canal Bill: Report of the Charges of the Port Committee on the opposition of the Chamber to the Bill, &c.
- LIVERPOOL INSTITUTIONS:—Reports have been received from the following: Catholic Reformatory Association; Central Relief and Charity Organisation Society; Church of England Scripture Readers' Society; Liverpool Clerks' Association; Holy Trinity Ragged School and Certified Industrial Schools; "The Home"; Mercantile Marine Service Association School-Ship "Conway"; Mersey Mission to Seamen; Penny Savings Bank; School of Science; Seamen's Friend Society; Shipwreck and Humane Society; Society for the Prevention of Cruelty to Children; Sunday School Union; Town Mission; Training-Ship "Indefatigable"; Young Women's Christian Association.
- LIVERPOOL LITERARY AND PHILOSOPHICAL SOCIETY:—Proceedings, vol. 39.
- LIVERPOOL (LYCEUM) LIBRARY:—Catalogues, 1830, 1838, 1866; and Annual Supplementary Catalogue, 1885.
- LIVERPOOL MEDICAL INSTITUTION:—Liverpool Medico-Chirurgical Journal, Nos. 8-9.
- LIVERPOOL MERCANTILE MARINE SERVICE ASSOCIATION:—Reporter, v. 9.
- LIVERPOOL NATURALIST'S FIELD CLUB:—Proceedings, 1883-4 and 1884-5. 2 vols.
- LIVERPOOL PHILOMATHIC SOCIETY:—Proceedings, vol. 3.
- LIVERPOOL POLYTECHNIC SOCIETY:—Journal.

DONATIONS—*Continued.*

- LIVERPOOL SCHOOL BOARD:—Proceedings, 1882-3 and 1883-4; Report of the General Purposes Committee, 1873.
- LIVERPOOL SCIENCE STUDENTS' ASSOCIATION:—Annual Report, 1884-5.
- LIVERPOOL UNIVERSITY COLLEGE:—Calendar, 1885-86.
- LLOYD'S REGISTER OF SHIPPING, THE COMMITTEE OF:—Annals of Lloyd's Register. (3 copies).
- LONDON, THE CORPORATION OF:—Calendar of Letters from the Mayor and Corporation of the City of London, circa A.D. 1350-70; London's Roll of Fame: being complimentary Votes and Addresses from the City of London on Presentation of the Honorary Freedom of that City.
- LONDON TRINITY COLLEGE:—Calendar, 1885-6.
- MACFIE, R. A. (the Author):—The Questions put by the Royal Commissioners on the Depressed State of Trade dealt with in an Independent but Sympathetic Spirit, by a former M.P.
- MCGOVERN, JOSEPH H. (the Author):—How to select Property before Purchasing and how to ascertain its correct Value; Suggestions for artistically and practically laying out Building Estates.
- MANCHESTER STATISTICAL SOCIETY:—Transactions, 1884-5.
- MARCUS, ALFRED A., BOSTON:—Sacred Memorial Services in Memory of the late Sir Moses Montefiore, Bart.
- MARRAT, F. P., LIVERPOOL:—Autograph Letter of the 13th Earl of Derby; Cours élémentaire de paléontologie et de géologie stratigraphiques, par Alcide d'Orbigny; The Insect, by Jules Michelet; Notes to accompany Mr. Wyld's Model of the Earth, Leicester Square, London; Paul's Letters to his Kinsfolk, by Sir Walter Scott, 1816; Report on the alleged Dearthness and Insufficiency of the Supply of Water to Liverpool, 1845; Resolutions, Reports, and Bye-Laws of the Liverpool Royal Institution, 1814-1822.
- MARSDEN, J. AND Co., MESSRS. (the Publishers):—Anglo-Indian and American Traders' Journal, 1885.
- MARSHALL, GEORGE W., LL.D. (the Author):—Miscellanea Marescalliana: being Genealogical Notes of the Surname of Marshall, vol. 2, part 1.
- MAW, GEORGE (the Author):—Results of Experiments on the Potato Crop; and 3 other Pamphlets.
- MILLER, ROBERT C., LIBRARIAN, FREE LIBRARY, FITZROY, AUSTRALIA:—Books and their Influence.
- MILWAUKEE PUBLIC MUSEUM, U.S.A.:—Annual Report, 1884.
- MOON, WILLIAM, LL.B. (the Publisher):—Four Centuries of Poetry, selected and arranged by Francis Martin, vol. 1 (Moon's Books for the Blind).
- MOORE, JOHN S. (the Author):—A Book in Pieces.
- MOORE, MORRIS, SEN. (the Author):—Raphael's "Apollo and Marsyas," 2nd ed.
- MORRIS, JOHN S. C. (Author and Publisher):—The National Policy: being a series of Addresses; Business Directory of London, 1885.
- MORTON, G. H.:—Liverpool Royal Institution: Report, 1885.
- MORTON AND Co., MESSRS.:—An Illustrated and Descriptive Guide to the Great Railways of England and their Connections with the Continent. (4 copies.)
- MOTT, ALBERT J. (the Author):—Alcohol and the Law.
- NATIONAL ACADEMY OF SCIENCES, WASHINGTON, U.S.A.:—Memoirs, vol. 2.
- NATIONAL ASSOCIATION FOR THE PROMOTION OF SOCIAL SCIENCE:—Transactions, Birmingham Meeting, 1884.
- NATIONAL FAIR-TRADE LEAGUE:—The Fair-Trade Position explained; and 3 other Pamphlets.
- NATIONAL SOCIETY FOR WOMEN'S SUFFRAGE:—Men, Women, and Progress, by Emma H. Woodward; Women Suffrage, by Mrs. Ashton Dilke.
- NEVINS, J. BIRKBECK, M.D., M.R.C.S. (the Author):—The Four-penny Silver Coinage of Great Britain ("Joey's"); On three Books purporting to be the Book of Jasher.
- NEW SOUTH WALES, THE AGENT-GENERAL FOR:—The Year Book of New South Wales, 1885. (2 copies.)
- NEW YORK COLUMBIA COLLEGE LIBRARY, U.S.A.:—Circular of Information, 1884.
- NEW YORK MERCANTILE LIBRARY, U.S.A.:—Bulletin of New Books, Nos. 6-7.
- NEW ZEALAND, THE AGENT-GENERAL FOR:—The King Country, or Explorations in New Zealand, by J. H. Kerry-Nicholls; Official Handbook of New Zealand, 2 vols.; A Scramble over the Lake Mountains, by S. H. Morton; The Sounds, Lakes, and Rivers of New Zealand.
- NEWCASTLE-UPON-TYNE SOCIETY OF ANTIQUARIES:—Proceedings, vol. 1.
- NEWLANDS, JOHN A. R., F.I.C., F.C.S. (the Author):—On the Discovery of the Periodic Law and on Relations among the Atomic Weights.

DONATIONS—*Continued.*

- NICOL, JAMES (the Author):—Vital, Social, and Economic Statistics of the City of Glasgow, 1881-1885.
- NICOLL, DONALD (the Author):—Health and its Appliances.
- NORWEGIAN GEODETIC COMMISSION:—Geodätische Arbeiten, Heft 4; Vandsandobservationer, Hefte 3.
- NORWEGIAN GOVERNMENT:—Norwegian North-Atlantic Expedition, Parts 12-14.
- NOTTINGHAM FREE PUBLIC LIBRARIES:—Class List (No. 6) of Books in the Reference Library.
- OXFORD: BODLEIAN LIBRARY (per E. B. Nicholson, M.A., Librarian):—Catalogus librorum impressorum Bibliothecae Bodleianae in Academia Oxoniensi, 4 vols.; Index to the first seven volumes of the Dodsworth MSS.
- PARIS MUNICIPAL COUNCIL:—Procès verbaux, 1878-81; Rapports et documents, 1878-81; Prefecture de la Seine: Rapports sur les halles et marchés, 1882-3, et Rapport sur le service des aliénés, 1877; Ville de Paris: Catalogue de la bibliothèque municipale de lecture sur place.
- PATENTS, THE COMMISSIONERS OF:—Specifications of Patents; Abridgments of Specifications; Indexes; Illustrated Journal of Patented Inventions; Official Journal of the Patent Office; Reports of Patent Cases.
- PATENTS, THE COMMISSIONERS OF, CANADA:—Canadian Patent Office Record.
- PEABODY INSTITUTE, BALTIMORE, U.S.A.:—18th Annual Report; Catalogue of the Library, part 2: D-G.
- PHILADELPHIA ACADEMY OF NATURAL SCIENCES:—Proceedings, 1884, and 1885, parts 1-2.
- PHILLIPSON AND GOLDER, MESSRS. (the Publishers):—Chester Diocesan Calendar, 1885.
- PITMAN, ISAAC (the Publisher):—The Phonetic Journal, vol. 43.
- POWELL, G. BADEN, M.A., M.P. (the Author):—Sugar Bounties: the Harm they do to England, &c.
- POWER, THE LATE REV. F. A., VICAR OF BEVINGTON, LIVERPOOL, PRESENTED UNDER THE WILL OF:—The Book of Texts of Ancient and Modern History, by the Rev. F. A. Power; The Comprehensive Atlas and Geography of the World, by W. G. Blackie; Exposition of the Old and New Testaments, by Matthew Henry: Standard ed., 6 vols.; A Greek and English Lexicon to the New Testament, by John Parkhurst: New ed., by Hugh J. Rose; The National Encyclopædia: Library ed., 12 vols.; The Works of William Robertson, D.D., 12 vols.; together with 250 other volumes.
- PRINCE, AELIAN (the Author), per the Publisher:—Love's Moods: Poems.
- PRINCE, KAY (the Author), per the Publisher:—Spiritual Philosophy, or the Spirit of Life in Christ Jesus.
- PRINCE, C. LEESON, M.R.C.S. (the Author):—Observations upon the Topography and Climate of Crowborough Hill, Sussex.
- RAGNET, E. L. (the Author):—Revision of the British Species of Phycitidae and Galleridae.
- READE, T. MELLARD, C.E., F.G.S. (the Author):—Denudation of the Two Americas; The Mersey Tunnel, its Geological Aspects and Results; The North Atlantic as a Geological Basin.
- RICHMOND FREE PUBLIC LIBRARY:—Catalogue, 1884.
- RIDOUT AND SON, MESSRS.:—India: Census of the N.W. Provinces, 1872. 3 vols.
- ROSA, CARL, ROYAL COURT THEATRE, LIVERPOOL:—Playbills, &c., for 1885.
- ROYAL ASTRONOMICAL SOCIETY:—Memoirs, vol. 48, part 2; Monthly Notices, vol. 45 and 46, part 1.
- ROYAL COLONIAL INSTITUTE:—Proceedings, vol. 16.
- ROYAL CORNWALL POLYTECHNIC SOCIETY, FALMOUTH:—Annual Report, 1884.
- ROYAL DUBLIN SOCIETY:—Scientific Proceedings, New Series, vol. 4, Nos. 5-6; Scientific Transactions, Series 2, vol. 3, Nos. 4-6.
- ROYAL INSTITUTE OF BRITISH ARCHITECTS:—Journal of Proceedings, New Series, vol. 1 and 2, Nos. 1-5; Transactions, New Series, vol. 1; Kalendar, 1885-86.
- ROYAL SOCIETY OF CANADA:—Proceedings and Transactions, vol. 2.
- ROYAL SOCIETY OF LONDON:—Philosophical Transactions, vol. 175, part 2.
- ROYAL SOCIETY OF VICTORIA:—Transactions and Proceedings, vol. 21.
- ST. HELENS FREE PUBLIC LIBRARY:—Supplementary Catalogue, 1883-4.
- SAMUELSON, JAMES (the Author):—Address to the Parliamentary Electors of the proposed Kirkdale Division of Liverpool (4 copies).
- SCOTTISH GEOGRAPHICAL SOCIETY:—First Report, 1885; Scottish Geographical Magazine, vol. 1, Nos. 1-3.
- SCULL, G. D. (the Author):—Dorothea Scott, otherwise Gotherson and Hogben, of Egerton House, Kent, 1611-1680; The Evelyns in America, 1608-1805.

DONATIONS—*Continued.*

SHEFFIELD FREE PUBLIC LIBRARIES :—
Catalogue of the Highfield Branch Library.

SMITH, R. BOSWORTH (the Author):—
The Reasons of a Layman and a Liberal
for opposing Disestablishment.

SMITH, REV. CANON W. S. (the Author):
—The Development of Conscience.

SMITHSONIAN INSTITUTION, WASHINGTON,
U.S.A. :—Annual Report of the Board
of Regents, 1883 ; Smithsonian Con-
tributions to Knowledge, vols. 24-25 ;
Second Annual Report of the Bureau
of Ethnology, 1880-81, by J. W.
Powell.

SOCIETY FOR PSYCHICAL RESEARCH :—
Proceedings, parts 7-8.

SOCIETY OF ANTIQUARIES, LONDON :—
List of Fellows, 1885 ; Title-page and
Index to vol. 9 of Proceedings.

SOCIETY OF ANTIQUARIES OF SCOTLAND :
—Proceedings, New Series, vol. 6.

SOMERVELL, ROBERT, B.A. (the Author):—
The History of Government in England.

SOUTHPORT : ATKINSON FREE LIBRARY:—
Index Catalogue.

SPLAINE, REV. JAMES F., S.J. (the
Author):—All is not Gold that Glitters:
a few Words addressed to Working
Men.

SPRATT, VICE-ADMIRAL T. A. B., C.B.,
F.R.S., &c. (the Author):—Report on
the Navigation of the River Mersey,
1884 (3 copies).

STEEL, HENRY T., CHICAGO, U.S.A.,
(the Author):—Index to the Engravings
in the Eclectic Magazine, 1844-84.

STONEHOUSE, JAMES (the Author):—Old
Parkgate, with Map of River Dee (in
MS.)

SUNDAY TIMES, EDITOR OF THE :—The
Sunday Times Prize Essays, by J.
Manning and Howard Goldsmid.

SUTTON, CHARLES W., LIBRARIAN, MAN-
CHESTER FREE PUBLIC LIBRARIES :—
Hours after Business : a Collection of
Miscellaneous Poems, by William
Robinson, Liverpool, 1850 ; Letter to
the Right Hon. William Pitt, in
which the real Interests of Britain in
the present Crisis are considered, by
Jaspar Wilson ; Sermon on the Death
of Mrs. Mary Braik, Nov. 23, 1818, by
Owen Davies, Liverpool.

TATE, JOHN (the Author):—At Home
among the Atoms.

TAYLOR, REV. WILLIAM, M., D.D., LL.D.,
NEW YORK, U.S.A., (the Author):—
Contrary Winds, and other Sermons ;
Daniel the Beloved ; David, King of
Israel: his Life and its Lessons ; Elijah
the Prophet ; The Gospel Miracles in

their relation to Christ and Christ-
ianity ; Jesus at the Well ; John Knox ;
Limitations of Life, and other Sermons ;
The Lost Found and the Wanderer
Welcomed ; The Ministry of the Word ;
Moses the Law-Giver ; Paul the Mission-
ary ; Peter the Apostle.

THOM, ADAM, LL.D. (the Author):—
Emmanuel, both the Germ and the
Outcome of the Scriptural Alphabets
and the Metallic Image : a Pentaglot
Miniature.

THOMAS, HUGH O., M.R.C.S., LIVERPOOL
(the Author):—Contributions to the
Study of Medicine: the Collegian of
1666 and the Collegians of 1885.

THOMPSON, J. R., LIVERPOOL (the
Author):—Grateful Reminiscences of
God's gracious dealings in hearing and
answering Prayer (6 copies).

THOMPSON, S. E., LIBRARIAN, SWANSEA
PUBLIC LIBRARY:—Boletín de la Biblio-
theca-Museo-Balagner, Nos. 1-4.

THOMPSON, WILLIAM P., LIVERPOOL :—
United States: Annual Reports of the
Commissioner of Patents, 1870, vol. 3,
and 1871, vol. 3.

TORONTO PUBLIC LIBRARY:—Catalogue of
Books and Pamphlets presented to the
Toronto Public Library by John Hallam.

TREASURY, THE LORDS COMMISSIONERS
OF THE :—Acts of the Lords' Auditors
of Causes and Complaints, 1466-1495 ;
Acts of the Lords of Council in Civil
Causes, 1478-1495 ; Ancient Laws and
Institutes of England ; Ancient Laws
and Institues of Wales, 2 vols. ; Register
of the Privy Council of Scotland,
1545-1592, 4 vols. ; State Papers of the
Reign of Henry VIII., 11 vols. ; to-
gether with 25 other volumes.

UNITED STATES GOVERNMENT:—Astro-
nomical and Meteorological Observa-
tions made at the U.S. Naval Observa-
tory, vols. 27-28 ; Results of Meteor-
ological Observations, 1882 ; Report of
the Superintendent of the U.S. Naval
Observatory, 1884 ; The Existing Laws
of the United States ; Final Report of
the Tenth Census of the United States,
vols. 9-10, with accompanying maps ;
Laws of the United States of a Local
or Temporary Character, 2 vols. ; The
Public Domain : its History, with
Statistics ; Reports of the Commissioner
of Agriculture, 1873-1884, 11 vols. ;
Report of the Commissioners of Educa-
tion, 1882-3 ; Report of the Superinten-
dent of the U.S. Coast and Geodetic
Survey, 1883 ; United States Survey
of the Territories, vol. 3, book 1 and
vol. 8.

DONATIONS—*Continued.*

- VACHER, FRANCIS, BIRKENHEAD (the Author):—Report on the Sanitary Condition of the Borough of Birkenhead, 1884.
- VERITY, MRS. L. J. (per J. E. Rockwell), WASHINGTON, U.S.A.:—A New System of Phonography, by J. S. Verity.
- VICTORIA, THE AGENT GENERAL FOR:—Handbook to the Colony of Victoria, by Henry H. Hayter, C.M.G. (2 copies).
- VICTORIA PUBLIC LIBRARY, MELBOURNE:—Victoria: Patents and Patentees, vols. 13-14.
- WALES, THE UNIVERSITY COLLEGE OF:—Calendar, 1884-5.
- WALKER, ROBERT (the Author):—The Five Threes: 33,333 Miles by Land and Sea (3 copies).
- WANDSWORTH PUBLIC LIBRARY:—Catalogue, 1885.
- WHITFIELD, M. W., M.A. (the Author):—Durham.
- WINCHELL, N. H., STATE GEOLOGIST, MINNESOTA:—The Geological and Natural History Survey of Minnesota: Reports 1-7, and 10-12. 5 vols.
- YORK SUBSCRIPTION LIBRARY:—Appendix to the General Catalogue, 1884.
- YOUNG, GEORGE E. (the Author):—A Vindication of Debate; Liverpool Cyclists' Pocket Guide, 1885.
- YOUNG, HENRY, LIVERPOOL:—The Churchman's Creed: a few Remarks and Questions addressed to Churchgoers.
- ZOOLOGICAL SOCIETY OF LONDON:—Transactions, vol. 11, part 10; Proceedings, 1884, part 4, and 1885, parts 1-3.

 FREE LECTURES.

LECTURES DELIVERED FROM JANUARY TO MARCH, 1885.

The Twentieth Winter Course, consisting of forty lectures as specified below, was delivered in the Rotunda Lecture Hall from January 5th to March 12th inclusive.

Total Attendance: 52,950. Average: 1,315.

LECTURERS AND SUBJECTS:

- ABBOTT, J., B.A. The Chemical History of the Grape; illustrated by Experiments.
- ALEXANDER, A., Director of the Liverpool Gymnasium. Healthful Exercises; illustrated by Members of the Liverpool Gymnasium.
- BENNETT, WILLIAM. Dramatic Recitals from English and American Authors.
- BIRCHALL, JAMES. Footsteps of the Normans in Europe; illustrated by the Oxyhydrogen Light.
- BROWN, REV. HUGH S. "Vox populi, vox Dei," and other Latin Proverbs.

- BURBIDGE, REV. JOHN. Husbands and Wives.
- CARPENTER, W. LANT, B.A., B.Sc., F.C.S. Sunspots and their connection with Weather Changes; illustrated by the Oxyhydrogen Light.
- CLEGG, CHARLES E. Dramatic Readings from Tennyson, Longfellow, and Minor Authors.
- CROMPTON, ROBERT. Readings: Original and Selected.
- CURZON, FRANK. Our Faces, and How we came by them; illustrated by Sketches on the Black Board.
- DAVIES, EDWARD, F.C.S., F.I.C. The Prevention and Extinction of Fire; illustrated by Experiments.
- DIXON, WILLMOTT, LL.B., of the Inner Temple, Barrister-at-Law. High Life in the Middle Ages: Glimpses of our Ancestors at Home.
- DYALL, CHARLES, Curator of the Walker Art Gallery. Great Painters: their Lives and Works; illustrated by the Oxyhydrogen Light.
- ELLISON, COLONEL C. O. A Trip to the Netherlands; illustrated by the Oxyhydrogen Light.
- FORMBY, JAMES, and J. FLANAGAN. Readings and Recitals from Popular Authors.
- GOLDING, W. H. Through Canada with the Marquis of Lorne; illustrated by the Oxyhydrogen Light.
- HERDMAN, DR. W. A., F.R.S.E., Professor of Natural History, Liverpool University College. The Common Cockroach: its Structure and Mode of Life; illustrated by the Oxyhydrogen Light.
- HICKS, DR. J. SIBLEY, F.L.S., F.R.M.S. A Plant Parasite and its Family; illustrated by the Oxyhydrogen Light.
- JONES, REV. W. HENRY. Fairy Tales: their Origin and Meaning, with something about Fairy Music; with Pianoforte Illustrations.
- JUDE, W. H., Principal of the Liverpool Organ School. Musical Genius; with Piano, Harmonium, and Vocal Illustrations.
- LAMART, A. E. Glimpses of Paris, Ancient and Modern; illustrated by the Oxyhydrogen Light.

- LESLIE, FRANK J. Lancashire's Part in the Great Civil War; illustrated by the Oxyhydrogen Light.
- LODGE, DR. OLIVER, Professor of Physics, Liverpool University College. Thunder and Lightning; illustrated by Experiments.
- MACCUNN, J., M.A., Professor of Philosophy and Political Economy, Liverpool University College. The Efficiency of Labour: its Importance and Causes.
- MANSTON, REV. A. C., B.A., Merton College, Oxford. Robert Browning.
- PICTON, SIR J. A., J.P., F.S.A. Old Lancashire; illustrated by the Oxyhydrogen Light.
- POPE, JOSEPH J., M.R.C.S., Special Lecturer, National Health Society, London. Ourselves—Long Life to us! Why not? illustrated with Diagrams.
- RATHBONE, P. H., J.P. Art Work for the Artizan; illustrated by the Oxyhydrogen Light.
- RENDALL, G. H., M.A., Camb., Principal of Liverpool University College. Cambridge University: its Rise and Work.
- ROBINSON, DR. W. CLARKE, M.A., B.Sc., Lecturer in Modern Literature and Languages, Durham University. Lord Byron.
- Robert Burns.
- Thomas Moore.
- RUSSELL, EDWARD R. William Wilberforce, Statesman and Philanthropist.
- SOMERVELL, ROBERT, B.A., Camb., Assistant Master, Liverpool College. How England got a Parliament; illustrated by the Oxyhydrogen Light.
- STEWART, W. J., B.A., and H. A. BRANSCOMBE. Schumann: his Life and Music; illustrated by Vocal and Instrumental Music.
- The Ballad; with Musical Illustrations.
- STUBBS, CAPT. EDWARD, R.N. Scenes in the Squadron for the Suppression of the Slave Trade; illustrated by the Oxyhydrogen Light.

TATE, DR. GEORGE, F.G.S., F.C.S. The Chemical and Physical Properties of Atmospheric Air; illustrated by Experiments.

VANDENHOFF, MRS. H. Readings from the Poets.

WILLIAMS, REV. S. FLETCHER. Sir Walter Raleigh.

LECTURES DELIVERED DURING OCTOBER AND NOVEMBER, 1885.

Two courses, of six lectures each, were delivered weekly in the Rotunda Lecture Hall, from October 5th to November 12th inclusive.

Total Attendance at the two courses : 12,598. Average : 1,050.

LECTURERS AND SUBJECTS.

SOMERVELL, ROBERT, B.A., Camb., Assistant Master, Liverpool College.
The History of Government in England.

Total Attendance : 5,810. Average : 968.

STEWART, W. J., B.A. Our Colonies.

Total Attendance : 6,788. Average : 1,131.

LENDING LIBRARIES.

TABLE I.—General Statistics :—

	1885.			1884.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Volumes lent	193,835	189,293	383,128	202,240	188,649	391,489
New Tickets issued	2,024	2,129	4,153	2,313	2,247	4,560
Tickets renewed	2,365	1,921	4,286	2,198	1,820	4,018
Tickets cancelled	2,146	2,146	4,292	2,240	2,213	4,453
Total No. of readers on the books	4,362	4,132	8,494	4,484	4,149	8,633
Books lost or injured, and paid for	15	25	40	21	29	50
Books lost	6	—	6	—	—	—
Volumes worn out—withdrawn..	232	—	232	237	1,479	1,716
Volumes worn out—replaced....	872	613	1,485	838	371	1,209
New volumes added	694	610	1,304	564	570	1,134
Total No. of vols. in the Libraries	23,267	22,580	45,847	20,805	21,970	44,775

TABLE II.—Showing the Classification of Volumes Lent and Added:—

	Volumes Lent.			Volumes Added.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Theology	3,239	3,322	6,561	40	30	70
Natural Philosophy	2,892	2,600	5,492	9	11	20
Natural History	1,893	1,911	3,804	20	18	38
Science and Arts	8,769	7,285	16,054	38	41	79
History and Biography	8,183	7,938	16,121	39	28	67
Topography and Antiquities	898	1,006	1,904	4	7	11
Voyages and Travels	5,090	4,713	9,803	22	20	42
Miscellaneous Literature	11,027	10,920	21,947	120	130	250
Jurisprudence, Law, and Politics	291	212	503	3	1	4
Commerce and Political Economy	646	536	1,182	7	8	15
Education, Languages, and Logic	1,609	1,077	2,686	2	1	3
Poetry and the Drama	1,016	1,539	2,555	7	7	14
Prose Fiction	148,020	145,861	293,881	381	307	688
Latin and Greek Classics	192	181	373	2	—	2
Books for the Blind	70	192	262	—	1	1
TOTAL	193,835	189,293	383,128	694	610	1304

MUSEUM.

CIRCULATING MUSEUM COLLECTIONS FOR SCHOOLS AND OTHER
EDUCATIONAL PURPOSES.

This experiment, commenced by the Committee in the Spring of 1884, has been continuously and successfully carried on.

Eighteen Cabinets are now in circulation, and others are in course of preparation. The specimens suffer no damage, and teachers are glad to receive them as successfully serving the purpose for which they are lent, as most useful and attractive subjects for object lessons to their various classes.

NEW CASES.

A series of upper wall cases have been erected round the principal room for Mammalia for the better display of many of the larger ruminating animals, such as the rare Rocky Mountain Goats, expressly procured for the Museum by Mr. St. George Littledale, the Big-horn and Argali Sheep, Ibexes, Chamois, Deer, &c., to the great relief of the lower cases which were much overcrowded.

Two central upright cases have been provided for the Marsupial animals, also previously overcrowded and inadequately displayed.

The above increased accommodation has greatly facilitated the natural arrangement of the various orders concerned; but further relief is still desirable, the carnivorous animals especially requiring more space and fuller illustration.

Two additional table cases have also been provided on the upper floor for minerals and fish.

BEQUEST.

In August last the Executors of the late Mr. Nicholas Cooke, of Gorsey Hey, Liscard, announced to the Committee that by a codicil of their father's will, dated the twentieth day of April, 1885, he had bequeathed to the Mayor, Aldermen, and Citizens of the City of

Liverpool the whole of his collections of British and Continental Lepidoptera, together with the two cabinets in which the bulk of them are contained, to be preserved in the Museum for the use of the public, especially as reference for Entomological Students.

This important bequest has been received and deposited in one of the Class Rooms, and a special vote of thanks to the Executors was passed by the City Council in due course.

VISITORS.

The Visitors to the Museum during the year have been as follows:—

				1885. (214 Days.)	1884. (217 Days.)
Total Visitors in the year	..	..	..	325,878	370,744
Weekly Average	..	..	..	6,266	7,129
Daily Average	..	..	..	1,522	1,708

DONATIONS, &c.

A rare Shell, *Lyonsia saxicola*, from Vancouver's Island; presented by Mr. Frank Archer.

Two bivalve Shells, *Ætheria semilunata*, from Tanni, above the Third Cataract of the Nile; collected and presented by Brigade-Surgeon S. Archer.

A Collection of Echinoderms and Starfishes, in spirit, presented, in exchange, by Prof. Alexander Agassiz, Museum of Zoology, Harvard University, comprising numerous specimens of the following species, viz.: *Asterias Forbesii*, Mass. Bay; *Echinarachnius parma*, Mass. Bay; *Pentacta frondosa*, Maine; *Pentaceros reticulatus*, St. Thomas, W.I.; *Toxopneustes pileolus*, Acapulco, Mexico; *Astropecten bispinosus*, Hong Kong; *Heliaster microbrachia*, Chili; *Nidurellia armata*, and *Diadema mexicanum*, Acapulco.

Twenty-one cut and polished sections of Geological and other Rocks, mounted on slides for microscopic examination; prepared and presented by Mr. Henry C. Beasley.

A specimen of Python, from Singapore; presented by Mr. John Bradshaw.

Specimens of Bladderwort, *Utricularia vulgaris*, from Formby; collected and presented by Mr. Brown, Liverpool Naturalists' Field Club.

Specimens of male, female, and two neuter Ants, *Formica aliena*, from the walls of Conway Castle; collected and presented by Mr. Henry Burns.

Four living King Crabs, *Limulus polyphemus*, received in exchange from the New York Fishery Commission, per Mr. Eugene Blackford, Commissioner, in return for living specimens of the Common Sole, imported to New York from the Museum Aquaria, by R.M.S.S. *Britannic*, Capt. Hamilton Perry, per favour of Mr. W. S. Graves, of the White Star Line.

A Maximilian's Maccaw; presented by Mrs. Carpenter.

A specimen of Carmine Suberite Sponge, *Suberites Wilsoni*, from Port Philip Heads, South Australia; presented by Mr. J. Bracebridge Wilson, per Dr. H. J. Carter, F.R.S.

Specimens of Sea Anemones, for Aquaria, from Black Rock near Cricceith, North Wales; presented by Mr. Robert Craig.

Two specimens of Lignite found on the Canal Bank, Liverpool; presented by Mr. Thomas Donald.

A skull of a rare type of Flat-headed Indian from Bolivia; presented by Mr. W. T. Duguid.

The larvæ of a Myrmeleon or Ant-Lion from Claremont, Neuchatel; presented by Miss H. M. Eden, per Rev. H. H. Higgins.

Two tubular Sponges from British Honduras; presented by Capt. Frank, per Mr. Frank Archer.

Specimens of Pinna Shells, Flexible Corals, and Sponges, from Antigua; collected and presented by the Hon. S. H. Gatty.

Four small Boulder Stones from the filled up pre-glacial river bed of the Ancient Mersey, intersected by the River Mersey Tunnel, 1884; presented by Messrs. Gill and Archer.

Three Wasp's Nests found on the banks of the Basingstoke Canal, September, 1884; presented by Mr. W. Hall.

A Seed Pod and Seeds from West Africa; presented by Mr. J. G. C. Harrison.

A collection of Cave Bones and Teeth from Tremeirchion, near St. Asaph, viz.: Specimens of Matrix containing Bones and Teeth of Hyæna; portions of Tusk and Bone of Mammoth; Teeth and portions of Limb Bones and Atlas of Rhinoceros; Teeth and portion of Limb Bones of Horse; Teeth and portions of Limb Bones and Vertebrae of Bos; Teeth, Acetabulum, portions of Tibia, Radius, and Base of large Antler of *Cervus*; two Teeth of *Cervus Hibernicus* and portion of Metacarpal of Rein Deer; collected and presented by Dr. H. Hicks, F.G.S., and Mr. E. Bouverie Luxmoore.

The Skull and Bones of a Cart Horse; presented by Mr. W. C. Hodgkinson for the Osteological Collection.

A Neptune's-Cup Sponge, *Raphiophora patella*, from the Indian Ocean; presented by Dr. Austin Hughes.

Eggs of the Edible or Green Turtle from the West Indies; (laid on his premises,) presented by Mr. George Hulse.

Nine Diagrams of Human Osteology and Physiology, printed on linen for lecture purposes by the Working Men's Educational Union; presented by Mr. S. B. Jackson.

Two large specimens of Python from the Soonderbunds of India; presented by Mr. C. Jamrach, Jun.

A specimen of *Stigmara ficoides*; presented by Mr. Johnson.

A Chick of Californian Quail bred at Lark Hill; presented by Mr. H. Heywood Jones.

A living young Alligator, *Alligator Mississippiensis*, from New Orleans; presented by Miss Jones.

Specimens of Embolite (Chloro-bromide of Silver); Stephanite (Flexible sulphide of Silver); Rhodochroite (Carbonate of Manganese); Pearly Dolomite; Pink Dolomite; and Fire Opal from Mexico; presented by Capt. Kiddle, per Mr. W. Imrie.

A Short-headed Baldpate Pigeon; presented by Mr. Leach for the Osteological Collection.

A Photograph of the Fynnon Beuno and Cae Gwyn Bone Caves at Tremeirchion, near St. Asaph; presented by Mr. E. Bouverie Luxmoore.

The Nest of a Tree Ant from Cape Coast and specimens of the Ant; collected and presented by Major C. B. Lyster, 2nd W.I. Regt.

A remarkable Lepidopterous (?) Nest constructed among Fern Leaves, brought from Honduras by Capt. Frank; presented by Mr. M. Mark.

Fifty Rock Specimens for the Geological Collection; presented by Mr. F. P. Marrat.

Cast of the Skull of *Loxomma*, a Labyrinthodont Reptile from the Coal Measures, taken from the skull recently presented by him to the British Museum; presented by Mr. George Maw, F.L.S.

Specimens of three kinds of Nuts picked from a large number washed ashore on Diamond Island, at the mouth of the Irrawaddy, in January, 1882; presented by Mr. Frederick Meentz.

A large and peculiar variety of Toilet Sponge and two smaller Sponges; presented by Messrs. A. F. and H. Moore.

A series of Locusts from Cyprus in the various stages of development from the eggs to the perfect insects, illustrating the life-history of the species which ravaged a large part of the Island in 1884; specially procured for presentation to the Museum by Dr. J. Birkbeck Nevins from Mr. S. Brown, Government Engineer, Cyprus.

A small series of specimens of Invertebrates dredged by the Challenger and other Expeditions and preserved in spirits, with notes of depths and stations, viz.:—*Phormosoma placenta*; fragments of *Lophohelia prolifera*; *Orbitolites complanata*; *Scalpellum nymphocola*; *Amphiura chiagii*; *Gorgonocephalus erecnemis*; *Latmogone violacea*; *Umbellula gracilis*; *Nymphon robustum*; presented by Mr. John Murray, F.R.S., Director of the Challenger Office, Edinburgh.

Specimens of Perch from Cheshire for Aquaria; presented by Mr. George Newall.

A Puff Adder from Simon's Town, Cape of Good Hope; presented by Lieut. Niblett, R.N.

A Paradoxure from Africa; presented by Mr. J. Kirby Pilkington.

A Common Lark, light variety, shot at Lewes, Sussex; presented by Mr. Charles Potter.

A Common Gull, *Larus canus*, found on the shore at Hightown; presented by Mr. M. Treleaven Reade.

Specimens of Peacock Coal from Brinsop Hall Collieries, West Houghton, and specimens of Anthracite Coal and Gold-coloured Iron Pyrites; presented by Mr. Thomas Rigby.

Spider with egg sac containing young Spiders alive, genus *Delena*, from an African Ship in the King's Dock; presented by Mr. Leonard Simpson.

A large specimen of the King Prawn, *Palæmon carcinus*? from Madras; presented by Dr. Spratley.

The Skull of a Native of Murray Island, New Guinea; presented by Mr. J. Duncan Stoward.

A Collection of 160 Skins of Indian Birds from Mhow, with name, place, and date of capture noted; presented by Lt.-Col. Swinhoe, F.Z.S.

Specimens of Roach and Russian Carp for Aquaria; presented by Mr. Thomas Till.

A living young Alligator, *Alligator Mississippiensis*; presented by Mr. C. H. Turnbull.

A Collection of various species of "Tarantula" and other Trap-door Spiders (*Mygalidæ*), their remarkable nests, and various illustrations of their life-history; presented by Mr. Frederick Taylor, of Rainhill, specially obtained by him for the Museum from numerous correspondents at Mentone, Cannes, Bordeaux, Zante, Corsica, and California; together with a copy of Moggridge's book on the Trap-door Spiders to supply illustrative drawings; also a specimen of the "Tarantula Killer" from California, a species of Wasp (*Pompilus formosus*), which provides for its own progeny by stinging and paralyzing Trap-door spiders, burying them and leaving an egg with each to hatch out and feed upon the spider.

A specimen of Fibrous Rock Salt from Winsford; presented by Mr. George Walker.

Specimens of Alligator Teeth and Eggs, Tusks of Florida Hogs and four Sea Beans; presented by Mr. H. K. Walton.

A Collection of Marine Specimens, &c., collected on a voyage between Liverpool, Rio Janeiro, and Rangoon; presented by Captain W. H. Cawne Warren, Associate of the Literary and Philosophical Society, Liverpool.

Two Ravens, two White Hares, &c., from Scotland; presented by Mr. T. West.

A Bottle of Reptiles, &c., in spirit, from Axim and the neighbouring Coast of West Africa; presented by Mr. R. B. N. Walker, Corresponding Member of the Literary and Philosophical Society, Liverpool.

EXCHANGE WITH KEW.

A sheet of Tappa Cloth from the Sandwich Islands; specimens of Gums and Resins; Nuts, Pods, Seeds, and Grain; Myrobalans and Wood; Dried Leaves, Flowers, Pith, Bark, and Fibres; chiefly from India; and the Edible Nest of a Swallow; being the portion consigned to the Free Public Museum of a series of specimens contributed from the Royal Botanic Gardens at Kew, per the Rev. H. H. Higgins, in exchange for the Forster Herbarium hitherto kept in the Library of the Liverpool Botanic Garden.

PURCHASES.

The purchases during the year have been as follows:—

A Disarticulated Human Skull showing development of the teeth; a small pair of Deer Horns from Para; a white variety of the Hedgehog, found at Oswestry; a Brush-tailed Porcupine; a Yellow-footed Rock Kangaroo; a Tasmanian Wallaby Kangaroo (*Halmaturus Billardieri*); a Wombat; a dried Skeleton of the Tasmanian Wolf (*Thylacinus*); three Skulls of Dugongs—male, female, and young; Skull of the Giant Salamander from Japan; and a Japanese Goat Antelope, with Skull and Skeleton.

A Snow Goose (*Chen albatus*); a Southern-Hill or American Brown Crane (*Grus pratensis*); and a Concave-casqued Hornbill (*Dichoceros bicornis*).

The Skeleton of a Rattlesnake (*Crotalus*); the Skeleton of a Port Jackson Shark (*Cestracion*); and a Horned Viper (*Vipera nasicornis*).

Twelve small glazed Hand Cases (and one case presented), containing specimens, models, and drawings of the following British Insects injurious to Food, Crops, and Timber, prepared and mounted by Mr. S. L. Moseley (with printed notes by Miss Ormerod, of Huddersfield), as supplied to the Royal Gardens at Kew:—Turnip and Cabbage Gall Weevil, Turnip Fly or Flea Beetle, Bean Beetle, Vine Beetle, &c., Large Cabbage White Butterfly, Turnip Moth, Cabbage Moth, Goat Moth, Magpie Moth, Winter Moth, Celery Leaf Miner, Cabbage Aphis, and American Blight.

Two hundred and thirteen selected specimens of British, European, and other foreign Lepidoptera; a rare Butterfly, *Ornithoptera D'Urvilliana*, from New Zealand; and a Longicorn Beetle (*Psalidognathus*), brought from Ecuador by Mr. Buckley.

The following purchases were selected by the Rev. H. H. Higgins at Weymouth, from the collections of Mr. Robert Damon:—

Specimens of thirty species of Invertebrates in spirit, including examples of *Acrocladia*, *Aleyonium*, *Euphyllia*, *Cidaris*, *Sipunculus Holothuria*, *Cucumaria*, *Chitonellus*, &c.

Specimens of ninety species of Shells, &c., including *Conus princeps*, *Cypræa leucostoma*, *Mitra balliata*, *Spondylus pictorum*, *Corallium rubrum* (very fine), *Coronula diadema*, &c.

Specimens of twenty species of Corals, &c., including selected examples of *Fungia*, *Mussa*, *Herpetolithes*, *Amphihelia*, *Retepora*, *Discopora*, *Pæcillopora*, *Merulina*, *Montipora*, *Euphyllia*, *Hydnophora*, &c.

Specimens of forty-five species of Fossils, including examples of *Cerithium giganteum*, *Crioceras*, *Scaphites*, *Spaniodon Blondellii*, *Ammonites armatus* and section, *Ammonites Brookei*, *Clupea minima*, *Dapedius armatus*, *Cycas*, &c.

Forty Coloured Glass Models, by Blaschka, of Dresden, of Jelly Fishes, Portuguese Man-of-War, Sea Cucumbers, and other soft-bodied Marine Invertebrates, not otherwise to be exhibited so as adequately to display their delicacy of form and beauty of colour; purchased through the agency of Mr. Robert Damon, per Rev. H. H. Higgins.

Twenty-five selected species of Shells, chiefly Marine, including *Conus cedo-nulli*, *Conus pertusus*, &c.; also the entire series of twenty Varieties of the Shell *Voluta musica*, being the life-long collection made by the late Dr. Prevost, Conchologist, several of which are figured and named, including the variety *polypleura* described by Crosse and figured in the 'Journal de conchyliologie'; selected from the Collection of Mr. G. B. Sowerby, at London, by the Rev. H. H. Higgins.

A rare Shell, *Hybocystis elephas*, of De Morgan, and seventeen selected specimens of fifteen other species of Shells, from the Collection of Mr. G. B. Sowerby.

Forty selected specimens of Shells from Japan, a group of *Vermetus* Shells, and an ornamental Wreath of small Shells from Bermuda.

Two Tubular Sponges and nine small Sponges.

A Slab of Lias Marble from Yeovil, crowded with specimens of *Ammonites planicostata* and *A. Smithii*; a Collection illustrating forty species of Polyzoa from the Coralline Crag of the Orford Castle district, Suffolk, mounted with illustrative drawings of enlarged structure after Busk; the shelly Operculum of a large Gasteropod Shell cut in two and polished; the natural mould of the crypt of a *Lithodomus* Shell in coral; the humerus or arm-bone of a Pterodactyl from the Lower Oolite of Stonesfield, and an *Ammonites obtusus* with unsymmetrical keel, from the Lias of Lyme Regis; from the Collection of Mr. Edward Charlesworth.

Specimens of Fossils and Minerals, including *Ammonites fimbriatus* and *semicostatus*, *Belemnites* with hooks and ink bag, *Ancyloceras Calloviensis*, *Pholidophorus Bechei*, *Ammonites* with fine coloured naere; Labradorite and Meteoric Iron from Atacama and Esherville; selected from the Collection of Mr. J. R. Gregory, at London, by the Rev. H. H. Higgins.

Select specimens of Quartz, Calcspar, Stalagmite, Baryta, Calamine, Gypsum, Native Sulphur, Stalactite, Agate, Meerschaum, Jade, Lode-stone, Sponge with Chalcedony, Thulite, and a group of Quartz Crystals; from the Collection of Mr. Samuel Henson.

Specimens of Titanite, Pink Dolomite, Cairngorm, and Tourmaline from Switzerland; specimens of Iridescent Carbonate of Iron and Dolomite from Ulverstone.

Small specimens of Pure Silver, Platinum, Quartz with Gold, and a specimen of Dendritic Manganese.

MAYER MUSEUM.

NEW WALL CASES FOR POTTERY.

During the past year the whole of the Upper Gallery of the Mayer Museum has been fitted up with Wall Cases of superior construction for the better accommodation of the Collection of Pottery. The specimens are now being systematically arranged therein, and are much better displayed than was previously possible.

DONATIONS.

Yoke, for pair of Oxen, and Straw Coat, from the Province of Minho, North Portugal; presented by Mr. R. D. Radcliffe.

Facsimile in bronze of the Gold Medal given by the Eisteddfod, Liverpool, 1884; presented by Mr. J. Davies, c.c.

Duke of Athole's Half-penny (1758), and McTurk's Manx Token (1830); presented by Mr. W. Kneale.

Shield and Ham-stringing Knife, taken at the Battle of Tambu, 6th May, 1885; presented by Mr. James Halligan.

Marble Tablet, a draped female figure, with right arm raised, standing under an arch; on the back is a Greek Inscription. The marble is bored by *Limnoria terebrans*. Dredged on the fluke of an Anchor, at Pandermaha, Sea of Marmora, and presented by Captain John McNab, S.S. "Ligurian."

A complete set of Fourpenny Pieces ; presented by Dr. J. B. Nevins.

A Collection of Ethnographical specimens ; Head-dresses of Bird of Paradise and Cassowary Feathers, Stone-headed Club and Stone Head of Club, Stone Tops, Pipe, Bamboo Knife, Armlets and Leglets, Tortoise-shell breast ornaments, Nose Sticks and Armlets of Shell, Spears, Bows and Arrows, &c., &c., from Murray Island and Fly River, New Guinea ; collected and presented by Mr. J. Duncan Stoward.

A native Earthenware Lamp ; a Box and Lid and two native Clysters made from Gourds, ornamentally carved, from West Africa ; collected and presented by Mr. J. G. C. Harrison.

PURCHASES.

Liverpool Jug, printed with Map of Ireland.

Bronze Medal of Stephenson's Bridge at Newton.

Khedive's Bronze Star.

Series of six Japanese Enamels, illustrating the process of Enamelling.

Small group of Roman and Saxon Antiquities, found at Faversham.

Carved Ivory Medallion, profile portraits of Franklin, Washington, and Voltaire.

Engraved circular brass plate, German (Nuremberg), 17th Century.

Porcelain Cup, impressed "WEDGWOOD."

Adze, stone head and elaborately carved wooden handle. From Hervey Islands.

Wedgwood Jug, buff-coloured ware ; red medallions round the body.

Bristol Cream Jug and Cup and Saucer.

Ten Electrotypes of Napoleon Medals.

Horn Snuff-Box, mounted in gold, the lid set with six circular pieces of glass, on each are initials in Seed Pearls.

Vase, Japanese Satsuma Ware.

Pair of Chinese Crackle Vases.

Plaque, flowers, shells, &c., in relief; Copeland's "Parian" Ware.

Group of Fruit, cut and grouped by native Lapidaries of Siberia, and specimens of Siberian Minerals.

Rock Crystal, cut in form of a Dodecahedron, with signs of the Zodiac.

Two Panels, painted with groups of flowers, "Copeland and Garrett" ware.

Modern Portuguese Majolica Dish.

Photograph of Australian Aborigines.

WALKER ART GALLERY.

The gallery has been open to the public on 267 days during the year, and closed on 46 days for cleaning and rearrangement of the Permanent Collection. 475,839 persons visited the Gallery during the year, being a daily average of 1,782. Of this number 71,519 paid for admission to the Autumn Exhibition of Pictures, and nearly 10,000 school children, whom the Committee specially invited to the Exhibition, are also included in the gross total of visitors.

The recent extension of the Gallery having obviated the necessity of the disturbance of the Collection for the Autumn Exhibition, the Curator has been able to make a more definite and systematic arrangement of the works of Art, and the importance of the Collection, both numerically and artistically, has thus been brought into fuller prominence.

The building has been used on several occasions during the year for Soirées, Lectures, and Exhibitions.

On Saturday, October 3rd, His Worship the Mayor held a reception for the Working Classes, when 10,000 Artizans and their wives and daughters were present to inspect the Autumn Exhibition and the Library and Museum. On this occasion His Worship presented to the Gallery, on behalf of the Corporation, a bust, executed by T. Stirling Lee, of Mr. Alderman E. Samuelson, the first Chairman of the Art Department, in recognition of his services during fifteen years.

The use of the Gallery was granted to the Incorporated Law Society for the purpose of a *Conversazione* of its Members on Wednesday, October 14th, when a large number of strangers and citizens were present.

The Spring Exhibition of the Liverpool Society of Painters in Water Colours was held in the Gallery during May and June.

A Course of Lectures on Greek Art was given in the Gallery in October by Miss Jane E. Harrison, of Newnham College, Cambridge, which was highly appreciated by those who availed themselves of the privilege of attending.

As will be seen by the following figures the Autumn Exhibition has fully maintained its popularity and success, the Attendance and Sales of Pictures, notwithstanding the great depression in trade, showing most satisfactory results.

AUTUMN EXHIBITION OF PICTURES.

	1885.	1884.
Number of Pictures and other Works of Art Exhibited	1,462	2,280
Number of Pictures Sold	196	291
Amount realised by Sales	£8,028 8 6	£12,313 7 6
Season Tickets	2,952 501 7 6	3,464 649 7 6
Admission at One Shilling .. .	26,349 1,317 9 0	39,332 1,966 12 0
Ditto Sixpence	14,658 366 9 0	21,401 535 0 6
Ditto Threepence	27,560 344 10 0	41,577 519 14 3
Catalogues Sold	481 7 9	599 13 3
Commission on Sales	353 17 0	432 6 3
Miscellaneous Receipts	44 1 10	87 7 5
Amount Received, Exclusive of Sales..	3,011 3 3	4,315 5 6

The following tabulated statement will be read with interest :—

TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 15 YEARS, FROM 1871 TO 1885.

Year.	ADMISSIONS.			Season Tickets.		Catalogues Sold.		Commission on Pictures Sold.		Miscellaneous Receipts.		Total Receipts.		PICTURES SOLD.	
	One Shilling.	Sixpence.	Threepence.												
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	No.	£ s. d.
1871	720 16 0	... ..	207 14 6	62 2 0	165 10 0	320 18 6	46 4 4	1,523 5 4	235	6,395 2 6				235	6,395 2 6
1872	601 5 0	175 9 6	48 2 6	59 6 6	168 0 6	312 6 0	3 18 3	1,368 8 3	242	6,231 4 6				242	6,231 4 6
1873	665 18 0	... ..	229 10 3	96 8 6	199 17 6	371 17 0	2 10 0	1,566 1 3	271	7,402 17 6				271	7,402 17 6
1874	854 16 0	... ..	241 13 3	151 16 6	247 0 6	479 0 3	2 7 0	1,976 13 6	337	9,514 13 0				337	9,514 13 0
1875	972 13 0	77 17 6	237 14 0	210 7 0	279 14 3	617 3 0	11 9 2	2,406 17 11	345	12,299 18 6				345	12,299 18 6
1876	1,118 0 0	86 9 6	232 7 6	221 1 0	301 12 0	440 15 3	9 10 7	2,409 15 10	255	8,867 10 0				255	8,867 10 0
1877	1,928 12 0	... ..	419 3 3	443 14 0	454 10 1	537 11 2	18 4 2	3,801 14 8	301	10,963 11 0				301	10,963 11 0
1878	1,964 17 0	330 9 6	423 5 0	528 14 6	562 8 6	237 13 0	142 0 4	4,189 7 10	235	6,225 14 0				235	6,225 14 0
1879	1,516 12 0	212 1 6	378 11 9	566 7 6	504 9 3	364 16 0	7 17 0	3,550 15 0	267	9,159 15 0				267	9,159 15 0
1880	1,449 11 0	274 4 6	439 19 6	499 16 0	509 7 3	544 3 3	10 17 7	3,727 19 1	271	11,753 7 6				271	11,753 7 6
1881	1,434 15 0	289 4 6	376 4 6	475 14 0	468 19 9	523 7 6	15 9 6	3,583 14 9	315	12,210 11 0				315	12,210 11 0
1882	1,430 3 0	299 3 6	332 16 0	476 1 0	472 14 6	362 8 9	23 1 11	3,396 8 8	311	7,868 3 6				311	7,868 3 6
1883	1,302 1 0	273 8 0	304 17 3	381 3 6	434 15 9	403 13 0	32 6 10	3,132 5 4	226	8,472 10 6				226	8,472 10 6
1884	1,966 12 0	535 0 6	519 14 3	649 7 6	599 13 3	432 6 3	87 7 5	4,790 1 2	291	12,313 7 6				291	12,313 7 6
1885	1,317 9 0	366 9 0	344 10 0	501 7 6	481 7 9	353 17 0	44 1 10	3,409 2 1	196	8,028 8 6				196	8,028 8 6
Total	19,244 0 0	2,919 17 6	4,736 3 6	5,323 7 0	5,850 0 10	6,301 15 11	457 5 11	44,832 10 8	4,098	137,706 14 6				4,098	137,706 14 6

Out of 4,098 Pictures Sold during the last 15 years the Corporation of Liverpool Purchased 55 for their Permanent Gallery, the catalogue prices of which amounted to £20,709 10s.

ADDITIONS TO THE PERMANENT COLLECTION.

PURCHASES (OIL PAINTINGS).

"The Dancing Bear," by W. F. Witherington, R.A.

"The Eve of the Battle of Edge Hill," by Charles Landseer, R.A.

"When the Children are Asleep," by Thomas Faed, R.A. (from the Liverpool Autumn Exhibition).

"Don't ee tipty-toe," by John Morgan (from the Liverpool Autumn Exhibition).

"A Parting," by Mrs. Marianne Stokes (from the Liverpool Autumn Exhibition).

"Wintry March," by W. L. Picknell (from the Liverpool Autumn Exhibition).

"Grey Venice," by C. Napier Hemy (from the Liverpool Autumn Exhibition).

"The Old Poacher," by Miss Ellen Clacy (from the Liverpool Autumn Exhibition).

"Landscape and Cattle," by Charles Towne.

"The Doubtful Coin" (water colour), by H. B. Roberts.

A Series of Six Water Colour Drawings, "Reminiscences of the Vyrnwy Valley," by Peter Ghent (from the Liverpool Autumn Exhibition).

Proof Engraving (with key) of the Members of the Royal Academy under the Presidency of Sir Benjamin West.

Etching of "The Harbour of Refuge," by R. W. Macbeth, A.R.A.

A Series of Autotype Copies of Pictures in the National Gallery, Dresden, &c.

DONATIONS.

Marble Bust of Alderman E. Samuelson, by T. Stirling Lee, presented on behalf of the Corporation by His Worship the Mayor (David Radcliffe, Esq.).

Plaster Bust of the late Prince Leopold, Duke of Albany, by T. J. Williamson, presented by the Sculptor.

Marble Bust of the Right Hon. W. E. Gladstone, by A. Bruce Joy, presented by Samuel Stitt, Esq., J.P.

"Hic jacet: the waste and lumber of the shore" (oil), by Charles Robertson, R.W.S., presented by the Artist.

"The Burning of the Liverpool Landing Stage, 1874" (oil), by Thomas Huson, R.I., presented by the Rev. J. Miles Moss.

"The Keep of Beeston Castle" (water colour), by A. B. Bamford, presented by the Artist.

The following Pictures have been bequeathed by the late John Bate, Esq.:—

"The Village Politicians," by James Campbell.

"The King's Shilling," do.

"An Old Fiddler," do.

Landscape, "Old Mill and Pool," by Wm. Davis.

"A Smoking Party," attributed to Hogarth.

SIGNED ON BEHALF OF THE COMMITTEE,

J. A. PICTON, Kt.,

CHAIRMAN.

15 JUL. 1898



THIRTY-FOURTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY,
OF THE
CITY OF LIVERPOOL.



LIVERPOOL:
A. RUSSELL, SON & BAYLEY, PRINTERS, 30, MOORFIELDS.

1887.



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COMMITTEE AND OFFICERS

FOR THE YEARS 1886-87.

Committee :

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ALDERMAN EDWARD SAMUELSON, DEPUTY-CHAIRMAN.

JAMES POOLE, MAYOR.

WILLIAM BARTLETT,
ANTHONY BOWER,
LIEUT.-COL. A. H. BROWN, M.P.,
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GEORGE C. DOBELL,
THOMAS B. HALL,

ROBERT HAMILTON,
REV. H. H. HIGGINS, M.A.,
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Chief Librarian :

PETER COWELL.

Sub-Librarian :

THOMAS FORMBY.

Curator of the Museum :

THOMAS J. MOORE.

Conchologist, Mineralogist, &c. :

F. P. MARRAT.

Curator of the Walker Art Gallery :

CHARLES DYALL.

REPORT.

IN issuing their Thirty-fourth Annual Report, the Committee have for the first time to put on record somewhat of a check, if not a retrograde movement in the history of the institution.

Up to the present period every year has witnessed an extension of usefulness in some department, and during the year just passed a new Reading Room, being the fifth, has been opened at Low Hill with considerable success, and the Museum of Casts, alluded to in the last report, has been completed and located in a large room in the lower story of the Walker Art Gallery. The beautiful Mediæval and Renaissance work here brought to light and exhibited presents great attraction, and promises to be of great use in the promotion of taste amongst those of the industrial classes who are engaged in works where decorative forms are capable of being introduced.

The other portions of the institution fully maintain their position, and, as will be seen from the statistics which follow, are appreciated and made use of by the public, who in some departments are still pressing for increased accommodation.

Circumstances, however, have recently occurred which threaten seriously to affect in future the progress and development of the various branches, if not to require the abandonment of some.

The institution has been hitherto maintained by a rate of a penny in the pound, supplemented by occasional grants from the surplus fund of the City. As no surplus at present exists, no aid from that quarter can be looked for, whilst in consequence of an alteration in the mode of collection, the income from the rate is likely to diminish rather than increase.

During the past year the expenditure was £13,458, whilst the income from the rate only amounted to £12,602 14s. 8d., leaving a deficiency of £856. It was evident, therefore, that some steps had to be taken, either to diminish the expenditure—which really means to cripple the usefulness of the institution—or to find some method of increasing the income.

Following in the steps of Birmingham, Nottingham, and other towns, the Committee proposed to the Council to introduce into a local Bill now pending in Parliament, power to increase the rate when the Council should deem it necessary to 1½d. in the pound. When this proposition

was laid before the Council the power was cut down to 1½d., and when subsequently under the Borough Funds Act, the Bill was remitted to a Ratepayers' Meeting, the clause was struck out altogether.

The only alternative, therefore, is to reduce the expenditure, which might be done either by striking off some branches which might not be considered essential, or by cutting down the expenditure all round.

Suggestions were made to abandon the Lending Libraries, to close the Reading Rooms, or to give up the Lectures, but the Committee, after serious and anxious consideration, are unwilling to curtail the usefulness, and restrict the operations which have been so successful until compelled by absolute necessity to do so. They have, therefore, determined to persevere for the present, at least, in maintaining every branch in its integrity. They cannot of course exceed the amount allotted by vote of the Council, and the experience of the coming year will determine their course in the future.

The standing expenses of maintenance, salaries, lighting, cleaning, rates and taxes, &c., cannot be reduced. Unfortunately any reduction has to come off that portion of the expenditure which is the life-blood of the institution, viz., the purchase of books in the Libraries and of specimens in the Museums. For this the Committee are not responsible. Their duty is to expend the income placed in their hands in the best manner for the furtherance of the great educational objects entrusted to them, and this they will endeavour to do to the utmost of their power.

A collateral subject has also to be reported. Mention was made in the last report of the decease of Mr. Joseph Mayer, the founder and donor of the Museum of historical art, which bears his name. It was always his intention to have completed his magnificent gift by bequeathing the remainder of his collections to the City, but circumstances arose which prevented this being carried out.

It was the desire of his executors that the collections in their hands should be transferred to the City for a sum moderate in proportion to their value. This was estimated at £10,000, but by eliminating such portions as did not necessarily appertain to a museum, the amount was reduced to about £6,000, and the terms of payment made so easy that an annual outlay of £300 would suffice to purchase the entire. A proposition was laid before the Council to remit the subject to the Finance Committee,

with a view to ascertain the practicability of carrying out this object. This was negatived by the Council, much to the regret of all lovers of historic art.

The general operations during the year call for no special remarks. The statistics will show the extent of the usefulness of the institution. It may be remarked that this usefulness is fully recognised by all those who are familiar with the work carried on, and particularly by those who benefit from the educational facilities presented.

It will be seen from the public journals that all over the kingdom the people seem to have awakened to a sense of the necessity for promoting education, and encouraging it by the establishment of Public Libraries, Museums, and Lectures. In many towns the Jubilee of our Queen is thus to be celebrated as the noblest monument which could be raised to her honour. Liverpool stands alone in taking the opposite course, our Jubilee Year will be marked in our annals by a retrograde movement and a refusal to take advantage of an emergency which can never occur again.

SIGNED ON BEHALF OF THE COMMITTEE,

J. A. PICTON, Kt.,

CHAIRMAN.

REFERENCE LIBRARY.

TABLE I.—Showing the Books issued during the year:—

Classification.	Volumes.	Daily Average.
Theology, Morals, &c.	22,246	83
Natural Philosophy, Astronomy, &c.	20,082	74
Natural History	7,450	27
Science and the Arts	31,986	119
History and Biography	27,845	103
Topography and Antiquities	8,252	30
Voyages and Travels	11,938	44
Miscellaneous Literature (principally collected Works, Magazines in Volumes, &c.)	202,138	751
Jurisprudence, Law, and Politics	7,182	26
Commerce, Political Economy, and Statistics... ..	4,376	16
Education and Language	8,274	31
Poetry and Dramatic Literature	14,075	52
Prose Fiction	267,715	995
Latin and Greek Classics and Translations	3,830	14
Encyclopædias, and Works of General Reference	20,846	78
Patents for Inventions	17,100	64
Total	675,335	2,507

The various Quarterly, Monthly, and Weekly Magazines and Reviews are placed at the discretionary use of the readers. No exact statistics are taken of their issue, but they are computed at not less than 300,000.

TABLE II.—Showing the number and classification of works added during the year :—

Classification.	Volumes added.	Total Number in the Library.
Theology, Morals, &c.	129	6,849
Natural Philosophy, Astronomy, &c.	53	2,123
Natural History	117	4,867
Science and the Arts	238	10,339
History and Biography	223	11,390
Topography and Antiquities	171	4,673
Voyages and Travels	76	4,828
Miscellaneous Literature (principally collected Works, Magazines, &c.)	738	20,680
Jurisprudence, Law, and Politics	192	7,310
Commerce, Political Economy, &c.	49	1,202
Education and Language	30	1,452
Poetry and Dramatic Literature	78	3,701
Prose Fiction	13	5,556
Latin and Greek Classics and Translations	11	782
Heraldry, Encyclopædias, and Works of Reference	124	2,919
Total	2,242	88,671

BRANCH EVENING READING ROOMS.

Place.	Attendance.	Average per night.
Stanley Road Board School	24,048	80
Queen's Road Board School	18,430	61
Chatsworth Street Board School	23,253	77
Wellington Road School	16,456	54
Low Hill School (opened 1st Nov., 1886)	2,197	43
Total	84,384	315

These Rooms are open from 6 to 9-30 p.m. for the reading of newspapers and periodicals.

The following is the List of Magazines and Periodicals taken in the Reference Library :—

QUARTERLY.

Annales des sciences naturelles
 Archæologia Cambrensis
 Archæological Journal
 British and Foreign Evangelical Review
 Calcutta Review
 Church Quarterly Review
 Dublin Review
 Edinburgh Review
 Geninen, Y
 Grevillea
 Ibis
 Journal de conchyliologie
 Journal für Ornithologie
 Journal of Anatomy
 Journal of the British Archæological Association
 Journal of the Royal Agricultural Society
 Journal of the Society of Antiquaries

QUARTERLY—Continued.

Journal of the Statistical Society
 Liverpool University Magazine
 London Quarterly Review
 Manchester Quarterly
 Mind
 Navy List
 Numismatic Chronicle
 Quarterly Journal of the Geological Society
 Quarterly Journal of Microscopical Science
 Quarterly Review
 Revue celtique
 Stray Feathers
 Sunday Review
 Traethodydd
 Westminster Review
 Zeitschrift für deutsche Philologie
 Zeitschrift für Ethnologie

MONTHLY.

All the Year Round
 American Naturalist
 Annalen der Physik und Chemie
 ——— Beiblatter zu den Annalen
 der Physik
 Annales de chimie et de physique
 Annals and Magazine of Natural
 History.
 Antiquary
 Argosy
 Army List
 Art Journal
 Association News
 Atlantic Monthly
 Band of Hope Review
 Banker's Magazine
 Belgravia
 Bibliothèque universelle
 Birmingham, &c. Hardware Circular
 Blackwood's Magazine
 Book Lore
 Botanical Magazine
 British Temperance Advocate
 Building World
 Cambridge Examiner
 Cassell's Magazine
 Century
 Chambers's Journal
 China Review
 Church Missionary Gleaner
 Church Missionary Intelligencer
 Church Missionary Juvenile Instructor
 Clergyman's Magazine
 Congregational Magazine
 Congregationalist
 Contemporary Review
 Cornhill Magazine
 Daheim
 Day of Days
 Dietetic Reformer
 Draughtsman's Sketch Book
 Ecclesiastical Observer
 Educational Times
 English Illustrated Magazine
 Englishwoman's Review
 Expositor
 Financial Reformer
 Fireside
 Food
 Fortnightly Review
 Furniture Gazette
 Gazette des beaux-arts
 Gartenlaube, Die
 Gentleman's Magazine
 Geological Magazine
 Gloucestershire Notes and Queries
 Good Health

MONTHLY—*continued.*

Good Words
 Hand and Heart
 Harper's Magazine
 Herald of Health
 Home Words
 Homœopathic World
 Indian Antiquary
 Insurance Times
 Investor's Monthly Manual
 Journal of the Chemical Society
 Journal of Science
 Journal of Speculative Philosophy
 Journal of the Clerk of Works' Asso-
 ciation
 Journal of the Vigilance Association
 Knowledge
 Leisure Hour
 Library Chronicle
 Library Journal
 Liebig's Annalen der Chemie
 Liverpool Diocesan Gazette
 Livre, Le
 London, &c. Philosophical Magazine
 London Society
 Longman's Magazine
 Machinery Market
 Macmillan's Magazine
 Magazine of Art
 Methodist Chronicle
 Mineralogical Magazine
 Miscellanea genealogica
 Moniteur des architectes
 Month
 Musical Times
 National Anti-Vaccination Reporter
 National Review
 Nautical Magazine
 New Church Magazine
 Nineteenth Century
 North American Review
 Observatory
 Palatine Note-Book
 Petermann's Mittheilungen
 Pitman's Musical Monthly
 Portfolio
 Present Truth
 Printer's Register
 Printing Times and Lithographer
 Provincial Medical Journal
 Quiver
 Railway Guide, Bradshaw's
 Revue archéologique
 Revue britannique
 Revue chrétienne
 Royal Astronomical Society's Monthly
 Notices
 Royal Geographical Society's Journal

MONTHLY—*continued.*

Sanitary Record
 Science Gossip
 Shipping World
 Shorthand Magazine
 South American Journal
 Sunday at Home
 Sunday Magazine
 Temple Bar
 Theatre
 Tinsley's Magazine
 Tonic Sol-fa Reporter
 Truthseeker
 United Service Magazine
 Unsere Zeit
 Walford's Antiquarian
 Wesleyan Methodist Magazine
 Western Antiquary
 Women's Suffrage Journal
 Yachting Magazine
 Zoologist
 Zoophilist

FORTNIGHTLY.

Intermédiaire, L'
 Revue des deux mondes

WEEKLY.

Academy
 American Settler
 Amateur Photographer
 Anglo-American Times
 Architect
 Athenæum
 Brewers' Guardian
 British Architect
 British and Colonial Printer and Stationer
 Broad Arrow and Naval and Military Gazette
 Builder
 Builders' Weekly Reporter
 Building News
 Chemical News
 Cambridge University Reporter
 Church of England Temperance Chronicle
 Chronique des arts
 Civilian
 Colonies and India
 Comptes rendus
 Dinger's Polytechnisches Journal
 Economist
 Electrical Review

WEEKLY—*continued.*

Electrician
 Engineer
 Engineering
 English Mechanic
 Era
 Fair Play
 Field
 Fireside News
 Fun
 Gazette des architectes
 Gardeners' Chronicle
 Graphic
 Grocer
 Illustrated London News
 Invention
 Iron
 Iron and Coal Trades Review
 Jewish Chronicle
 Journal of Gaslighting
 Journal of Horticulture
 Journal of the Society of Arts
 Judy
 Lancet
 Land and Water
 Law Times
 Light
 Liverpool Review
 Local Government Chronicle
 London Gazette
 Medium
 Mining Journal
 Money
 Moonshine
 Nature
 Notes and Queries
 Oxford University Gazette
 Pharmaceutical Journal
 Pictorial World
 Porcupine
 Public Opinion
 Punch
 Railway Journal
 Railway Review
 Sale and Exchange
 Sanitary World
 Saturday Review
 Scientific American
 Signs of the Times
 Spectator
 Temperance Record
 Tit-Bits
 Truth
 Volunteer Service Gazette
 Vanity Fair
 Weekly Notes
 World

The following Periodicals, Newspapers, &c., have been presented regularly by the Publishers :—

Amateur Photographer
 Association News
 American Settler
 Anglo-American Times
 Birmingham and Sheffield Hardware Circular
 Bootle Times
 Brewers' Guardian
 British and Colonial Printer and Stationer
 British Temperance Advocate
 Builders' Weekly Reporter
 Building World
 Cambridge Examiner
 Cape Argus
 Church of England Temperance Chronicle
 Church Missionary Gleaner
 Church Missionary Intelligencer
 Church Missionary Juvenile Instructor
 Clergyman's Magazine
 Colonies
 Congregationalist
 Day of Days
 Dietetic Reformer
 Draughtsman's Sketch Book
 Ecclesiastical Observer
 Electrical Review
 Englishwoman's Review
 Fair Play
 Financial Reformer
 Fireside
 Fireside News
 Food
 Good Health
 Hand and Heart
 Herald of Health
 Home Words
 Homoeopathic World
 Insurance Times
 Invention
 Irish Times
 Iron and Coal Trades Review
 Jewish World
 Journal of Speculative Philosophy
 Journal of the Clerk of Works' Association

Journal of the Statistical Society
 Journal of the Vigilance Association
 Leeds Times
 Light
 Liverpool Albion (daily and weekly)
 Liverpool and Bootle Evening Times
 Liverpool Catholic Times
 Liverpool Courier (daily and weekly)
 Liverpool Echo
 Liverpool Express
 Liverpool Halfpenny Weekly
 Liverpool Journal of Commerce
 Liverpool Mercury (daily and weekly)
 Liverpool Porcupine
 Liverpool Post (daily and weekly)
 Liverpool Review
 Liverpool University Magazine
 Liverpoolian
 Machinery Market
 Medium
 Methodist Chronicle
 Mona's Herald
 Money
 Naval and Military Gazette
 New Church Magazine
 Oddfellows' Magazine
 Oxford Chronicle
 Pitman's Musical Monthly
 Present Truth
 Preston Herald
 Provincial Medical Journal
 Railway Review
 Rhyl Journal
 Richmond and Twickenham Times
 Sale and Exchange
 Sanitary World
 Shipping World
 Signs of the Times
 Sloan's Duployan Phonographic Journal
 South American Journal
 Sunday Review
 Temperance Record
 Tonic Sol-fa Reporter
 Western Daily Press
 Woman's Suffrage Journal
 Worcestershire Herald
 Zoophilist

The following is a list of the Newspapers provided for use in the Newsroom :—

Baner ac Amserau Cymru
 Belfast News-Letter
 Birmingham Daily Gazette
 Birmingham Daily Post

Carnarvon and Denbigh Herald
 Freeman's Journal (2 copies)
 Glasgow Herald
 Irish Times

Leeds Mercury
 Liverpool Daily Albion
 Liverpool Courier (6 copies)
 Liverpool Daily Post (6 copies)
 Liverpool Journal of Commerce
 Liverpool Mercury (6 copies)
 London Daily News (2 copies)
 London Morning Post
 London Standard (2 copies)

London Telegraph (2 copies)
 London Times (2 copies)
 Manchester Courier
 Manchester Guardian
 New York Herald
 Pall Mall Gazette
 Scotsman
 Western Daily Press
 Yorkshire Post

DONATIONS.

The following Donations have been received during the year:—

ABEL AND IMRAY, Messrs. (the Authors):—
 Patents, Designs, and Trade Marks,
 British and Foreign.
 ABERDEEN PUBLIC LIBRARY:—Catalogue of
 the Lending Department.
 ALBANY, U.S.A., YOUNG MEN'S ASSOCIA-
 TION:—53rd Annual Report.
 ANDERSON'S COLLEGE, GLASGOW:—Calendar,
 1886-7.
 ANGUS AND CO., LIVERPOOL:—Photograph
 of Prince's Buildings, Dale Street, Liver-
 pool, as illuminated on the occasion of
 H.M. the Queen's visit.
 ANONYMOUSLY:—The Narrow Way, by E.
 T. Oldfield (2 copies); The Revelation of
 Jesus by John, by F. B. Hooper (2 vols);
 The Two Roads and the Two Destinies (2
 copies).
 ARMSTRONG, THOMAS:—Te Deum à trois
 chœurs, par Hector Berlioz.
 ATKINS, WILLIAM, LIVERPOOL:—Photo-
 graphic Portrait of the late Rev. Patrick
 White.
 AUTHOR, THE:—The Yarn of the Patient
 Manchester Man, by Frank Fairshot
 (*pseud.*).
 BARROW-IN-FURNESS FREE PUBLIC LIB-
 RARY:—Catalogue of Juvenile Lending
 Department.
 BEESLEY, EDWARD S. (the Author):—Home
 Life.
 BELFAST LINEN-HALL LIBRARY:—Catalogue
 of Early Belfast Printed Books.
 BELOE, CHARLES H., LIVERPOOL:—Annual
 Report of the Operations of the United
 States' Life-saving Service, 1885.
 BIRKENHEAD FREE PUBLIC LIBRARY:—Cata-
 logue of the Lending Department:
 Supplement, 1882-5; Catalogue of Books
 for the Young, 1882-5.
 BIRKENHEAD LITERARY AND SCIENTIFIC
 SOCIETY:—Report, 1885-6.
 BIRMINGHAM FREE LIBRARIES:—Reference
 Library Catalogue, D-E.
 BIRMINGHAM PHILOSOPHICAL SOCIETY:—
 Proceedings, v. 5, pt. 1.
 BOARD OF TRADE, THE:—Reports of In-
 quiries under the Merchant Shipping Acts
 and Boiler Explosions Act.

BODLEIAN LIBRARY, OXFORD:—List of Do-
 nations to the Bodleian Library in 1885.
 BODLEY, G. F., A.R.A., AND T. GARNER (the
 Authors):—Report accompanying the
 Design for the New Cathedral, Liverpool,
 1885.
 BOOTH, CHARLES (the Author):—Occupa-
 tions of the People in England, Scotland,
 and Ireland, 1841-81.
 BOSTON PUBLIC LIBRARY:—Bulletins.
 BOULT, JOSEPH:—The Boundaries formerly
 in Dispute between Great Britain and the
 United States, by Sir F. Hincks.
 BOWDOIN COLLEGE, BRUNSWICK, MAINE,
 U.S.A.:—Catalogue of the Bowdoin
 College Art Collections, pt. 1.
 BOWES, ROBERT (the Author):—Biographi-
 cal Notes on the University Printers from
 the Commencement of Printing in Cam-
 bridge to the Present Time.
 BRAMLEY-MOORE, Rev. W., M.A.:—Ordnance
 Survey Maps of Liverpool; with Miscel-
 laneous Maps and Views.
 BRISCOE, J. POTTER, LIBRARIAN, NOTTINGHAM
 FREE LIBRARIES:—Sir William Stanley's
 Garland.
 BRITISH ASSOCIATION FOR THE ADVANCEMENT
 OF SCIENCE:—Transactions, Montreal
 Meeting; Canadian Economics; and
 Aberdeen Meeting, 1885.
 BRITISH HOME RULE ASSOCIATION:—P's and
 Q's for the General Election, by A. R.
 Whiteway; Mr. Gladstone's Irish Bill, by
 Sidney Buxton; Ireland and Home Rule,
 by Rt. Hon. Joseph Cowen, M.P.; and
 other Pamphlets.
 BRITISH MUSEUM TRUSTEES:—Catalogue of
 Books placed in the Galleries in the Read-
 ing Room of the British Museum; Cata-
 logue of Fossil Mammalia, pts. 2-3;
 Catalogue of Greek Coins: Crete and
 Aegean Islands; Catalogue of Indian
 Coins: Greek and Scythic Kings Bactria
 and India; Catalogue of Japanese and
 Chinese Paintings, by William Anderson;
 Catalogue of the Printed Books, 38 vols.;
 Catalogue of the Birds, vol. 11; Catalogue
 of the Blastoides, by Robert Etheridge,
 junr., and P. H. Carpenter; Catalogue of

DONATIONS.—*Continued.*

- the Palæozoic Plants; Catalogue of the Lizards, 2nd ed., v. 2; Catalogue of the Printed Maps, Plans, and Charts, 2 vols.; Guide to the Exhibition Galleries, 1886; Guide to the Exhibition Galleries of the Department of Geology and Palæontology, 4th ed.; Guide to the Nimroud Central Saloon; Guide to the Mausoleum Room; Guide to the Sculptures of the Parthenon; Illustrations of Typical Specimens of Lepidoptera Heterocera, pt. 6; Introduction to a Catalogue of Early Italian Prints, by Richard Fisher; An Introduction to the Study of Meteorites; Subject Index of Modern Books added 1880-85, by C. K. Fortescue.
- BROOKS, JAMES (the Author):—Report on Design for Liverpool Cathedral.
- BRUSHFIELD, T. N. (the Author):—The Bibliography of Sir Walter Raleigh; The Bishopric of Exeter, 1419-20; Sir W. Raleigh; a Plea for a Surname.
- BYRNE, P., LIVERPOOL AGENT FOR ONTARIO.—Ontario as a Home for the British Tenant Farmer; Pictorial Ontario; Report on the necessity of Preserving and Replanting Forests.
- CAINE, T. H. HALL (the Author):—Dowden's Life of Shelley.
- CAMBRIAN SOCIETY OF SOUTH WALES:—Transactions, 1885.
- CARNEGIE, ANDREW (the Author):—Triumph of Democracy; or, Fifty Years' March of the Republic.
- CARVER, THOMAS G., M.A. (the Author):—The Faculty of Judgment: an Address.
- CASSELL & Co.:—Facsimile of Shakespeare's Will from the Original.
- CASTELLAIN, ALFRED, J.P.:—Royal Agricultural Society of England: Journal, 2nd series, vol. 21 part 2, and 22 part 1; and General Index to Journal, 2nd series, vols. 11-20.
- CHALMERS, PATRICK (the Author):—Submission of the Sir Roland Hill Committee.
- CHURCH MISSIONARY SOCIETY:—Proceedings, 1885-6.
- CINCINNATI CHAMBER OF COMMERCE:—27th Annual Report.
- CINCINNATI PUBLIC LIBRARY, U.S.A.:—Bulletin of Books, 1885; Public Education in Cincinnati, No. 1.
- CLIVE, PROF. W. B., LONDON:—London University Examinations: Intermediate Mathematics; B.A. Mathematics. 1881-86; Intermediate Arts Guide (2 copies of each).
- CODDEN CLUB:—Free Trade *v.* Fair Trade, by Sir T. H. Farrer, Bart.; The National Income and Taxation, by the Rt. Hon. Sir Louis Malet (6 copies); The Old Poor Law and the New Socialism, by F. C. Montague (6 copies); Political Writings of Richard Cobden (12 copies); Principles of Political Economy, by Yves Guyot, with various Leaflets.
- COLLINS, LOUIS:—The Advertiser's Guardian.
- COMBINS, ANDREW, LL.D., M.P. (the Author):—Orangeism, what is it and what will you do with it? (2 copies)
- COPE BROTHERS & Co., LIVERPOOL:—Cope's Tobacco Leaves for the Smoking Room, part 1.
- CORNELL UNIVERSITY, ITHACA, U.S.A.:—Bulletin (Science), vol. 2.
- CUST, ROBERT N. (the Author):—The Opium Question; or, is India to be Sacrificed to China?
- DAWSON, SIR J. WILLIAM, C.M.G., MONTREAL, CANADA (the Author):—On the Mesozoic Floras of the Rocky Mountain Region of Canada.
- DICKINSON, J. N., WHITEHAVEN:—A Glossary of the Words and Phrases of Cumberland, by William Dickinson.
- DONALDSON, JAMES, LIVERPOOL (the Author):—Drawing and Rough Sketching for Marine Engineers, 3rd edition; Rough Working Drawing for First Class Engineers (2 copies).
- DOWNING, WILLIAM (the Author):—Free Public Libraries from a Bookseller's Point of View.
- DRESSER, FREDERICK, LIVERPOOL:—Report on the Administration of British Burmah, 1884-85.
- DUBLIN UNIVERSITY:—Dublin University Calendar, 1886, and Examination Papers, 1885.
- DURHAM UNIVERSITY:—Calendar, 1886.
- EDMONDS, MRS. E. M. (the Translator):—Greek Lays.
- EDWARDS, FREDERICK W. (the Author):—Voluntary Education: its Advantages, Difficulties, and Needs of Reform (3 copies).
- ELLIS, JOHN W., L.R.C.P. (the Author):—Coleoptera of the Liverpool District, parts 7-10; The Lepidopterous Fauna of Lancashire and Cheshire, part 2.
- EMERSON, WILLIAM, F.R.I.B.A. (the Author):—Report on the Design for the proposed Liverpool Cathedral.
- FINANCIAL REFORM ASSOCIATION, LIVERPOOL:—Financial Reform Almanack, 1887.
- FRASER INSTITUTE, MONTREAL:—7th Report, 1885.
- GARRICK, SIR JAMES, EXECUTIVE COMMISSIONER FOR QUEENSLAND:—Indian and Colonial Exhibition, 1886: Catalogue of the Exhibits in the Queensland Court; Queensland: its Resources and Institutions, edited by Price Fletcher.

DONATIONS.—*Continued.*

- GONBAREFF, D. (the Author):—*La socialisme à notre époque* (2 copies).
- GREIG, T. WATSON (the Author):—*Ladies' Old-Fashioned Shoes*.
- GREY, HENRY (the Author):—*A Pocket Encyclopædia of Useful Knowledge on a Thousand Subjects*.
- GRIFFITHS, WILLIAM (the Author):—*Trusses of Wood and Iron*, vol. 1.
- GUY, FRANCIS (the Compiler):—*Directory of Munster*, 1886.
- HARDINGHAM, GEORGE G. (the Translator):—*The Republic of Cicero*.
- HARVARD COLLEGE, CAMBRIDGE, MASS., U.S.A.:—*Bulletins, Memoirs, and Annual Report, 1886*, of the Museum of Comparative Zoology.
- HAZELL, WATSON, AND VINEY:—*Annual Cyclopædia*, 1886.
- HIBBERT, ALDERMAN JAMES, PRESTON (the Author):—*A New Tract for the Times: Reflections on Politics, Sociology, and Religion*.
- HIGGINS, CHARLES H., M.D., BIRKENHEAD (the Author):—*Who Wrote the Plays Ascribed to Shakspeare?*
- HISTORIC SOCIETY OF LANCASHIRE AND CHESHIRE:—*Transactions*, vol. 35.
- HOLMES, A. BROMLEY (the Author):—*The Electric Light Popularly Explained*, 4th ed.; *Practical Electric Lighting*, 3rd ed.
- HOULDING, JOHN:—*Photograph and Tickets in connection with Royal Visit*, May 1886.
- HOWARTH, E., F.R.A.S. (the Author):—*Meteorology of Sheffield*, 1885.
- INDIA, RIGHT HON. THE SECRETARY OF STATE FOR:—*Sacred Books of the East*, vols. 26-28.
- INSTITUTION OF CIVIL ENGINEERS:—*Minutes of Proceedings*, vols. 83-86; *Brief Subject Index* to vols. 59-86.
- INSTITUTION OF MECHANICAL ENGINEERS:—*Proceedings*, 1885, No. 5; and 1886, part 1.
- IRELAND, ALEXANDER (the Author):—*The Best Books: a List for the Guidance of General Readers*.
- JACOBS & CO., LIVERPOOL:—*Jacobs' Budget containing Portraits and Biographies of Thirty Eminent Statesmen, &c.*
- JEFFS, OSMUND W. (the Author):—*Scientific Papers*.
- JONES, MISS E. LLOYD (the Authoress):—*Satan's Guile and Satan's Wiles*.
- JONES, REV. J. I. (the Author):—*Baptism by Sprinkling*.
- JORDAN & CO., LIVERPOOL:—*The Story of a Great Delusion*, by William White.
- JOSEPHS, MISS FANNY, PRINCE OF WALES THEATRE, LIVERPOOL:—*Play Bills, etc.*, 1886.
- KING, JOHN (the Author), PER JAMES BAIN, LIBRARIAN, PUBLIC LIBRARY, TORONTO:—*The Other Side of the "Story."*
- LACH-SZYRMA, REV. W. S. (the Author):—*Alerial, or a Voyage to other Worlds*, 2nd ed.; *Pleas for the Faith*.
- LANCASHIRE AND CHESHIRE ENTOMOLOGICAL SOCIETY:—*Annual Report*.
- LANCASHIRE, GENERAL FINANCE COMMITTEE:—*Abstract of the Accounts of the County Treasurers, and other Public Officers of the County Palatine of Lancaster, 1819-1884*, by James Rushton.
- LAND NATIONALISATION SOCIETY:—*Report, 1885-6*; with other Pamphlets.
- LANGE, PAUL, LIVERPOOL:—*Two Photographs of the Woodside Steamer "Clagh-ton," as prepared for Her Majesty the Queen's Visit to Liverpool*.
- LEAMINGTON SPA FREE PUBLIC LIBRARY:—*Reference and Lending Library Catalogue*.
- LENNARD, HENRY B. (the Translator), PER G. B. LENNARD, BOOTLE:—*The Alcestis of Euripides*; with Preface, Explanatory Notes, etc.
- LIBERAL UNIONIST ASSOCIATION:—*The Case for the Union explained and set forth by Lord Hartington, Mr. John Bright, Mr. Goschen, Mr. Chamberlain, and others*.
- LIBRARY REPORTS FROM THE FOLLOWING LIBRARIES:—Aberdeen; Aston, Manor of; Baltimore, U.S.A. (Peabody Institute); Barrow-in-Furness; Birkenhead; Birmingham Free Libraries; Birmingham Library; Blackpool; Bolton; Boston, U.S.A.; Bradford; Bridgeport, U.S.A.; Brooklyn, N.Y.; Burlington, U.S.A. (Fletcher); Cambridge; Cambridge University Library; Cheltenham; Chester; Chicago, U.S.A.; Clitheroe; Columbia College, N.Y.; Copenhagen Royal Library; Coventry; Derby; Devon and Exeter Armorial Museum and Library; Doncaster; Dublin; Dudley; Dundee; Ealing; Germantown Friends; Glasgow Mitchell Library; Harvard University, U.S.A.; Kidderminster; Leamington Spa; Leeds; Manchester; Middlesbrough; New York Astor Library; New York Macmonides Library; New York Mercantile; Newcastle-upon-Tyne; Newton, Mass., U.S.A.; Northwich (Brunner); Norwich; Philadelphia Mercantile; Plymouth; Portsmouth; Preston; Richmond; Rochdale; Runcorn; St. Helens; St. Margaret and St. John the Evangelist, Westminster; St. Louis Mercantile Library; St. Louis Public Library; Salford; San Francisco Mercantile Library; Smethwick; South Australia, Adelaide; South Shields; Southport; Stafford; Stirling's and Glasgow Library; Stockport; Stoke-upon-Trent; Swansea; Tonbridge; Toronto; Twickenham; Walsall; Wandsworth; Watertown, Mass., U.S.A.; Wednesbury; West Bromwich; Wigan; Wolverhampton; Worcester, Mass., U.S.A.

DONATIONS.—*Continued.*

- LIVERPOOL AMATEUR PHOTOGRAPHIC ASSOCIATION :—Annual Report.
- LIVERPOOL ARCHITECTURAL SOCIETY :—Proceedings, 38th Session, Annual Meeting.
- LIVERPOOL ART CLUB :—Report, 1885 and 1886.
- LIVERPOOL ASTRONOMICAL SOCIETY :—Journal, vol. 5, parts 1-3.
- LIVERPOOL COUNCIL OF EDUCATION :—Tenth, Eleventh, and Twelfth Annual Reports.
- LIVERPOOL ENGINEERING SOCIETY :—Catalogue of the Library.
- LIVERPOOL GEOLOGICAL ASSOCIATION :—Transactions, vol. 5.
- LIVERPOOL GEOLOGICAL SOCIETY :—Proceedings, 1885-86.
- LIVERPOOL INFANT ORPHAN ASYLUM :—Reports 1860-86.
- LIVERPOOL INSTITUTIONS :—Reports have been received from the following :—Catholic Reformatory Association; Church of England Scripture Readers' Society; Clerks' Association; Liverpool Institute; Mersey Mission to Seamen; Royal National Life-Boat Institution (Liverpool and New Brighton Branch); Savings' Bank; Seamen's Friend Society; School of Science; School Ship "Conway"; Science Students' Association; Shipwreck and Humane Society; Society for Prevention of Cruelty to Children; Training Ship "Indefatigable"; Young Women's Christian Association; "The Home," Everton.
- LIVERPOOL INTERNATIONAL EXHIBITION OF NAVIGATION, &c. :—Catalogues, Programmes, Circulars, &c.; Visitors' Illustrated Guide to Liverpool.
- LIVERPOOL LITERARY AND PHILOSOPHICAL SOCIETY :—Proceedings, vol. 40.
- LIVERPOOL (LYCEUM) LIBRARY COMMITTEE :—Lyceum v. Liverpool Library. House of Lords Appeal. Printed Documents; Annual Supplementary Catalogue, 1886.
- LIVERPOOL MEDICAL INSTITUTION :—Liverpool Medico-Chirurgical Journal, Nos. 10 and 11.
- LIVERPOOL MERCANTILE MARINE SERVICE ASSOCIATION :—Reporter, vol. 10.
- LIVERPOOL NATURALISTS' FIELD CLUB :—Proceedings, 1885-6.
- LIVERPOOL POLYTECHNIC SOCIETY :—Journal.
- LIVERPOOL REFORM CLUB (PER GEORGE PRICE, SECRETARY) :—Drawing of Illuminations and Decorations upon the Liverpool Reform Club on the occasion of the visit of Her Majesty the Queen.
- LIVERPOOL SCHOOL BOARD :—Proceedings, 1884-5.
- LIVERPOOL UNIVERSITY COLLEGE :—Calendar, 1886-1887 (2 copies).
- LIVERPOOL WELSH NATIONAL SOCIETY :—Transactions, 1885-86.
- LONDON, THE CORPORATION OF THE CITY OF :—A Descriptive Account of the Guildhall of the City of London.
- LOVELL, JOHN (the Author) Liverpool :—Free Trade Facts and Fair Trade Fallacies; The Great Trial: Fair Trade v. Free Trade; Municipal Government in Liverpool.
- LOWNDES, FREDERICK W., M.R.C.S. (the Author), LIVERPOOL :—Prostitution and Venereal Diseases in Liverpool; Burial Reform and the Disposal of the Dead in and around Liverpool.
- LUDLOW, W., LIVERPOOL :—Adelphi Hotel Guide to Liverpool, 1886.
- LUNDIE, REV. R. H., M.A. :—Life: a Sermon after the Death of Alexander Balfour (3 copies).
- MCGOVERN, JOSEPH H. (the Author) :—Buy your own House and save your Rent; An Irish Sept, being a History of the McGovern or Macgauran clan.
- MACKAY, ERIC (the Author) :—Vox Clamantis.
- MCMILLAN, ROBERT, LIVERPOOL (the Author) :—Workmen and Museums, being selections from a series of Letters contributed to the Liverpool Mercury.
- MANCHESTER GEOLOGICAL SOCIETY :—Transactions, vol. 18, parts 14-16.
- MANCHESTER STATISTICAL SOCIETY :—Transactions, 1885-86.
- MARRAT, F. P., LIVERPOOL :—British Birds' Eggs and Nests popularly described; Discours sur les révolutions de la surface du globe; Le monde de la mer, par A Moquin-Tandon (Alfred Frédel) 2me éd.; Proceedings of the British Naturalists Society, N.S. vol. 1; The Marvels of Nature in Earth, in Sky and Sea; The Note Book of a Naturalist, by E. P. Thompson.
- MAY, WILLIAM, FREE LIBRARY, BIRKENHEAD :—The Printing of Library Catalogues, by William May; Sacred Poetry by Mary A. Browne.
- METEOROLOGICAL DEPARTMENT, LONDON :—Observations of the International Polar Expedition, 1882-83: Fort Rae.
- MILWAUKEE PUBLIC MUSEUM, U.S.A. :—Fourth Annual Report, 1886.
- MORRIS, J. S. C. (the Publisher) :—The Business Directory of London, 1886.
- MULLINS, J. D., BIRMINGHAM FREE LIBRARIES :—A Companion to the Liverpool Museum, 4th ed., Liverpool, 1805; together with 7 other local publications; Can Juvenile Vagrancy be Prevented, by William Watson, Liverpool, 1850.
- MUSPRATT, E. K. (the Author) :—Society of Chemical Industry: Address of the

DONATIONS.—Continued.

- President at the 5th Annual Meeting, Liverpool, 1886.
- INDIAN AND COLONIAL EXHIBITION, NATAL COURT (per the Secretary):—Natal Court, India and Colonial Exhibition: Official Handbook and Catalogue; Natal Contributions.
- NATIONAL ACADEMY OF SCIENCES, WASHINGTON, U.S.A.:—Memoirs, vol. 1 and 3, part 1; Proceedings, vol. 1, part 2; Reports, 1883-4.
- NATIONAL ASSOCIATION FOR PROMOTION OF SOCIAL SCIENCE:—Conference on Temperance Legislation, 1886.
- NATIONAL FOOTPATH PRESERVATION SOCIETY:—Annual Report, 1884-85.
- NEVINS, J. BIRKBECK, M.D. (the Author):—On Recent Locust Plagues in Cyprus and in North America.
- NEW YORK MERCANTILE LIBRARY:—Bulletins.
- NEW YORK MAIMONIDES LIBRARY:—Bulletins.
- NORWEGIAN GOVERNMENT:—Norwegian North-Atlantic Expedition, part 15.
- OWENS COLLEGE, MANCHESTER, THE COUNCIL OF:—Studies from the Biological Laboratories at Owens College.
- PARIS. BIBLIOTHEQUE NATIONALE:—Rapport sur les collections du département des imprimés, par Leopold Delisle.
- PARIS MUNICIPAL COUNCIL:—Conseil municipal de Paris: procès verbaux, 1882-83; Rapports et documents, 1882-3; Budget de l'exercice, 1879.
- PATENTS, THE COMMISSIONERS OF:—Specifications of Patents; Abridgments of Specifications; Indexes; Illustrated Journal of Patented Inventions; Official Journal of the Patent Office; Reports of Patent Cases.
- PERRY AND Co. (the Publishers):—Manufacturers' and Merchants' Directory, 1886.
- PERRY, REV. S. J., S.J., F.R.S. (the Author) Stonyhurst College:—Stonyhurst College Observatory: Results of Meteorological and Magnetical Observations, 1885; Preliminary Results of a Comparison of certain Simultaneous Fluctuations of the Declination at Kew and at Stonyhurst, 1883-84, by Rev. S. J. Perry, F.R.S., and Balfour Stewart, LL.D.
- PHILADELPHIA ACADEMY OF NATURAL SCIENCES:—Proceedings.
- PHILADELPHIA MERCANTILE LIBRARY:—Bulletin, vol. 1, Nos. 14-16.
- PHILLIPS, JAMES (the Author), LIVERPOOL:—Fairyland (2 copies).
- PIERSON, JOHN S., of NEW YORK, PER E. B. NICHOLSON, BODLEY'S LIBRARIAN, OXFORD:—Army Life in a Black Regiment, by Col. T. W. Higginson; History of the Pennsylvania Reserve Corps, by J. R. Sypher; Life of Jefferson Davies, by T. H. Altriend; Report of the Debates and Proceedings in the Secret Sessions of the Conference Convention, 1861, by L. E. Chittenden.
- PINNINGTON, G. (the Author), CHESTER:—The Distance of the Moon, the Planets, and the Sun deduced theoretically.
- PITMAN, ISAAC, BATH:—The Phonetic Journal, vol. 44.
- POPOFF, CONSTANTINE (the Translator); What I believe, by Leon Tolstoi (2 copies).
- POWIS, RT. HON. THE EARL OF:—Old Herbert Papers (Collections relating to Montgomeryshire, vol. 20).
- PROVINCIAL NEWSPAPER SOCIETY:—The Provincial Newspaper Society, 1836-1886: a Jubilee Retrospect.
- PUTNAM, CHARLES E. (the Author):—Elephant Pipes and Inscribed Tablets in the Museum of the Academy of Natural Science, Davenport, Iowa, U.S.A.
- QUEEN'S COLLEGE, BIRMINGHAM:—Calendar, 1886-87.
- QUEEN'S COLLEGE, LONDON:—Calendar, 1886-87.
- RADCLIFFE, SIR DAVID (Mayor of Liverpool):—Visit to Liverpool of Her Majesty the Queen, 11th—13th May, 1886, on the occasion of the Opening of the Liverpool International Exhibition of Navigation, &c.: Royal Route, Wednesday, 12th May; Illustrated Handbook of Victoria (3 copies).
- RANKINE, R., LIVERPOOL:—Monthly Magazine of the Independent Order of Odd-fellows: Manchester Unity, vols. 15-16.
- ROSA, CARL, ROYAL COURT THEATRE, LIVERPOOL:—Playbills, &c., 1886.
- ROYAL ASTRONOMICAL SOCIETY:—Monthly Notices.
- ROYAL COLONIAL INSTITUTE:—Proceedings, vol. 17; Catalogue of the Library, 1886.
- ROYAL CORNWALL POLYTECHNIC SOCIETY:—Annual Report, 1885.
- ROYAL DUBLIN SOCIETY:—Scientific Proceedings, vol. 4, pts. 7-9, and vol. 5, pts. 1-2; Scientific Transactions, vol. 2 (ser. 2), Nos. 7-10.
- ROYAL INSTITUTE OF BRITISH ARCHITECTS:—Proceedings, vol. 2, Nos. 6-19, and vol. 3, Nos. 1-4; Transactions, vol. 2.
- ROYAL SOCIETY OF LONDON:—Philosophical Transactions, vol. 174, part 3, 175, 176, and 177, part 1.
- SAKER, MRS. EDWARD, ALEXANDRA THEATRE, LIVERPOOL:—Playbills, &c., 1886.
- SAMUELSON, ALDERMAN EDWARD, J.P.:—Abridgment of the History of England, by Oliver Goldsmith; An Apology for the Bible, by Bp. Watson; Diliau Barddas, sef Gwaith Barddonawl, gan Robert Davies.

DONATIONS.—*Continued.*

- SCIENTIFIC PUBLISHING CO.:—Bevis's Builders' and Contractors' Price Book, 1886.
- SCRATCHLEY, ARTHUR, M.A. (the Author):—A Practical Treatise on Friendly Societies.
- SEAMEN, THE REGISTRAR-GENERAL OF:—Lists of the Names, &c. of Seamen whose Deaths have been reported to the Registrar-General.
- SHORTHOUSE E. (the Author):—A Present to Boys, Youth, and Young Men (3 copies).
- SEISMOLOGICAL SOCIETY OF JAPAN:—Transactions.
- SIMPSON, LEONARD:—A Compendious and Impartial Account of the Election at Liverpool, Nov. 1806.
- SLOAN, J. M.:—Sloan-Duployan Phonographic Journal, vol. 1.
- SMITHSONIAN INSTITUTION, WASHINGTON, U.S.A.:—Annual Report of the Board of Regents, 1884; 3rd Annual Report of the Bureau of Ethnology, by J. W. Powell, 1881-82.
- SMYTH, PROF. C. PIAZZI, F.R.S.E.:—Why do we not adopt the French Metrical System, by Christopher Giles; New Measures of the Great Pyramid, by C. Piazzì Smyth.
- SOCIETY OF ANTIQUARIES, LONDON:—Proceedings, 2nd ser., vol. 10, No. 3.
- SOCIETY OF ANTIQUARIES OF SCOTLAND:—Proceedings vol. 19.
- SOCIETY OF ENGINEERS:—Transactions, 1885; Rules, Bye-Laws, and List of Members, 1886.
- SPEARS, REV. R.:—The Complete Works of William Ellery Channing, D.D., Lon., 1884.
- SPRATT, VICE-ADMIRAL T. A. B., C.B., F.R.S., &c. (the Author):—Report on the Present State of the Navigation of the River Mersey, 1885 (3 copies); Autobiography of the Rev. Devereux Spratt; Remarks on a New Torso of a Youthful Dionysos.
- SUTTON, CHARLES W., MANCHESTER FREE LIBRARIES:—Catalogue of Willan's British and Foreign Public Library, Liverpool.
- SWAINSON, REV. DR.:—History of Liverpool, by William Enfield (additionally illustrated).
- SWALLOW, REV. HENRY J. (the Author), SUNDERLAND:—The Battle of Nevill's Cross.
- TAYLOR, REV. WILLIAM M., D.D., L.L.D. (the Author), NEW YORK, U.S.A.:—Joseph the Prime Minister.
- THOMPSON, W. PHILLIPS, C.E. (the Author):—Handbook of Patent Law of all Countries, 7th ed.
- TRINITY COLLEGE, LONDON:—Calendar, 1886-7.
- UNITED STATES GOVERNMENT:—Astronomical and Meteorological Observations made at the U.S. Naval Observatory, 1882; Circulars of Information, 1885, Nos. 3-4; Report of the Commissioner of Education, 1883-84; Report of the Superintendent of the U.S. Coast and Geodetic Survey, 1884; Reports of the 10th Census, vol. 11, 13, 14, 16, 20; Special Report of the Bureau of Education: Educational Exhibits, &c., at the World's Centennial Exposition, New Orleans, 1884-85.
- UNITED STATES CONSUL IN LIVERPOOL:—U.S. Consular Reports, Nos. 66-69, and 71.
- VACHER, FRANCIS (the Author):—When Infectiousness begins and when it ends in Scarletina, &c.; Report on the Sanitary Condition of Birkenhead, 1885.
- VIVISECTION, SOCIETY FOR THE ABOLITION OF:—Cerebral-Localization and Brain Surgery.
- WALES, UNIVERSITY COLLEGE OF, ABERYSTWYTH:—Calendars, 1885-6, and 1886-87.
- WALES, NORTH, UNIVERSITY COLLEGE, BANGOR:—Calendar, 1885-6.
- WARRINGTON MUSEUM AND LIBRARY:—Catalogue of the Lending Department, 1886.
- WATERS, A. T. H., M.D. (the Author) LIVERPOOL:—On Diseases of the Chest The Anatomy of the Human Lung; Researches on the Nature, Pathology, and Treatment of Emphysema of the Lungs.
- WATFORD PUBLIC LIBRARY:—Handbook, Catalogue, and Report, 1886.
- WATT, CAPT. HENRY F. (the Author):—The State of the Navy: Unarmoured Ships.
- WHITEHEAD, MESSRS., MANCHESTER (PER J. H. NODAL):—Play Bills of Liverpool Theatre Royal, June-Oct., 1795; Liverpool Theatrical Investigator (several nos.)
- WIGAN FREE PUBLIC LIBRARY:—Reference Department Catalogue, Letter A; Wigan Bibliography.
- WISE, THOMAS A., M.D., F.R.S.C. (the Author):—History of Paganism in Caledonia.
- YORK SUBSCRIPTION LIBRARY:—Appendix to the General Alphabetical Catalogue, 1885.
- YOUNG, GEORGE E. (the Editor):—The Liverpool Cyclists' Guide and Club Directory, 1886.
- YOUNG, HENRY:—Selections from the Old Testament; Sermons and Tracts by W. E. Channing.
- ZOOLOGICAL SOCIETY OF LONDON:—Transactions, vol. 11, part 11, and vol. 12, parts 1-3; Proceedings, 1885, part 4, and 1886, parts 1-3.

FREE LECTURES.

LECTURES DELIVERED FROM JANUARY TO MARCH, 1886.

The Twenty-first Winter Course consisting of forty lectures as specified below, was delivered in the Rotunda Lecture Hall from January 4th to March 11th inclusive.

Total Attendance : 52,382. Average : 1309.

LECTURERS AND SUBJECTS :

ABBOTT, JOSEPH, B.A. The Chemical History of Bones ; illustrated by Experiments.

ALEXANDER, A., Director, Liverpool Gymnasium. Physical Training for Children ; illustrated by Pupils of the Liverpool Gymnasium Boys' Classes.

BENAS, BARON L., J.P. A Visit to Egypt and the Holy Land ; with Photographic Illustrations.

BIRCHALL, JAMES. The Northmen and the British Isles ; illustrated by the Oxyhydrogen Light. (2 Lectures).

BURBIDGE, REV. JOHN. Vulgar Errors.

CARPENTER, W. LANT, B.A., B.SC. Temperature and Life in the Depths of the Sea ; illustrated by Diagrams and the Oxyhydrogen Light.

CLEGG, CHARLES E. Elocution ; with Practical Illustrations from various Authors.

COGAN, J. D. Pottery and Porcelain ; historically and practically Illustrated.

CONWAY, W. M., M.A., Roscoe Professor of Art, University College, Liverpool. The Tombs of Ancient Egypt ; illustrated by the Oxyhydrogen Light.

——— The Temples of Ancient Egypt ; illustrated by the Oxyhydrogen Light.

- CORTIE, REV. A. L., S.J., Stonyhurst College Observatory. The Spectrum of Sun-Spots ; illustrated by the Oxyhydrogen Light.
- COWELL, PETER, F.R.H.S., Chief Librarian, Liverpool Free Public Libraries. Books and Readers ; illustrated by the Oxyhydrogen Light.
- CURZON, FRANK. Rags and Bones ; or, Humanity and its Clothing ; with Blackboard Illustrations.
- DAVIES, EDWARD, F.C.S., F.I.C. The Production of Fire ; illustrated by Experiments.
- DIXON, WILLMOTT, LL.B., of the Inner Temple, Barrister-at-Law. England under Three Queens : Elizabeth, Anne, Victoria.
- DYALL, CHARLES, Curator, Walker Art Gallery. Popular Pictures ; illustrated by Examples from the Corporation Collection shown by the Oxyhydrogen Light.
- EDWARDS, FREDERICK W. The Industrial Training of Artizans ; illustrated by the Oxyhydrogen Light.
- ELLISON, COLONEL C. O. Belgium and the Rhine ; illustrated with Views shown by the Oxyhydrogen Light.
- GREEN, ROBERT F. American Humour ; illustrated from the Writings of Oliver Wendell Holmes.
- HERDMAN, DR. W. A., F.R.S.E., F.L.S., Professor of Natural History, University College, Liverpool. The Surface Life and the Phosphorescence of the Ocean ; illustrated by the Oxyhydrogen Light.
- JOHNSON, RICHARD C., F.R.A.S. The Earth's Place in the Universe ; illustrated by the Oxyhydrogen Light.
- JUDE, WILLIAM H., Principal, Liverpool Organ School. Musical Celebrities ; with Piano, Harmonium, and Vocal Illustrations.
- LESLIE, FRANK J. The Liverpool International Exhibition and what there will be to see in it ; illustrated by the Oxyhydrogen Light.
- LODGE, DR. OLIVER, Professor of Physics, University College, Liverpool. Fuel and Smoke ; illustrated by experiments.

- MACCUNN, JOHN, M.A., Professor of Philosophy and Political Economy, University College, Liverpool. The Education of an English Citizen.
- MACKAY, J. M., M.A., Professor of History, University College, Liverpool. Democracy and History.
- MUIR, J. A. Illustrative Readings from English and American Authors.
- RATHBONE, P. H., J.P. The Dress of various Ages and Countries, and its effects on Art, Health, and Morals; illustrated by the Oxyhydrogen Light.
- RENDALL, G. H., M.A., Principal University College, Liverpool. Greek Fairies and Monsters; illustrated by the Oxyhydrogen Light.
- RIGBY, REV. E. A., S.J., Professor of Physics, Stonyhurst College. The Characteristics of Animal and Vegetable Life; illustrated by the Oxyhydrogen Light.
- SHAW, HELE, Professor of Engineering, University College, Liverpool. The Navigation of the Air; illustrated by the Oxyhydrogen Light.
- SIRCOM, REV. SEBASTIAN, M.A., S.J., Professor of Mathematics, Stonyhurst College. Brass Musical Instruments: their Chief Acoustic Properties demonstrated experimentally; illustrated by the Oxyhydrogen Light.
- STUBBS, CAPTAIN EDWARD, R.N. Our Life-Boat Service; illustrated by the Oxyhydrogen Light.
- THOMPSON, ISAAC C., F.R.M.S. Through Canada and the United States to the Geysers of the Yellowstone; illustrated by the Oxyhydrogen Light.
- VEITCH, JAMES, M.A. Sir Walter Scott; illustrated by the Oxyhydrogen Light. (2 Lectures.)
- WAUGH, EDWIN. Humorous Readings in the Lancashire Dialect.
- WILLIAMS, REV. S. FLETCHER. The Times and Associates of Shakspeare.

LECTURES DELIVERED DURING OCTOBER AND NOVEMBER, 1886.

Two courses, of six lectures each, and one course of three lectures, were delivered in the Rotunda Lecture Hall, from October 4th to November 29th inclusive.

Total Attendance at the three courses : 14,998. Average : 1,000.

LECTURERS AND SUBJECTS.

DE RANCE, C. E., Assoc. Inst. C.E., F.G.S., F.R.G.S., of Her Majesty's Geological Survey of England and Wales. Physiography ; illustrated by the Oxyhydrogen Light. 6 lectures.

Total Attendance : 5,677. Average : 946.

GATTY, CHARLES T., F.S.A. Art and Antiquities ; illustrated by the the Oxyhydrogen Light. 6 lectures.

Total Attendance : 5,838. Average : 973.

STEWART, W. J., B.A., Oxon., Barrister-at-Law. India : what it is, how we got it, why we keep it ; illustrated by the Oxyhydrogen Light. 3 lectures.

Total Attendance : 3,483. Average : 1,161.

LENDING LIBRARIES.

TABLE I.—General Statistics :—

	1886.			1885.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Volumes lent	202,652	180,910	383,562	193,835	189,293	383,128
New Tickets issued	2,005	2,194	4,199	2,024	2,129	4,153
Tickets renewed	2,311	1,953	4,264	2,365	1,921	4,286
Tickets cancelled	2,080	2,097	4,177	2,146	2,146	4,292
Total No. of readers on the books	4,287	4,229	8,516	4,362	4,132	8,494
Books lost or injured, and paid for	21	11	32	15	25	40
Books lost	—	4	4	6	—	6
Volumes worn out—withdrawn ..	550	419	969	232	—	232
Volumes worn out—replaced	534	526	1,060	872	613	1,485
No. of volumes added	428	450	878	694	610	1,304
Total No. of vols. in the Libraries	23,145	22,611	45,756	23,267	22,580	45,847

TABLE II.—Showing the Classification of Volumes Lent and Added:—

	Volumes Lent.			Volumes Added.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Theology	3,248	3,061	6,309	8	9	17
Natural Philosophy.....	2,835	2,772	5,607	7	7	14
Natural History	2,043	1,809	3,852	15	17	32
Science and the Arts	8,920	7,371	16,291	30	32	62
History and Biography	8,158	7,666	15,824	51	44	95
Topography and Antiquities	897	898	1,795	6	6	12
Voyages and Travels	4,913	4,729	9,672	25	21	46
Miscellaneous Literature	10,870	10,621	21,491	105	118	223
Jurisprudence, Law, and Politics	310	236	546	3	5	8
Commerce and Political Economy	722	426	1,148	9	4	13
Education, Languages, and Logic	1,566	1,044	2,610	2	1	3
Poetry and the Drama	1,106	1,057	2,163	6	9	15
Prose Fiction	156,696	138,832	295,528	159	176	335
Latin and Greek Classics	245	280	525	2	1	3
Books for the Blind	93	108	201	—	—	—
TOTAL.....	202,652	180,910	383,562	428	450	878

MUSEUM.

VISITORS TO MUSEUM.

The Visitors to the Museum during the year have been as follows:—

	1886. (212 Days.)	1885. (214 Days.)	Increase.
Total Visitors in the year	357,916	325,878	32,038
Weekly Average	6,883	6,266	617
Daily Dverage	1,688	1,522	166

CIRCULATING MUSEUM COLLECTIONS FOR SCHOOLS AND OTHER EDUCATIONAL PURPOSES.

These cabinets, first issued in 1884, continue in circulation with sustained interest, and without damage or loss.

NEW CASE.

A large upright central baywood and plate-glass case has been erected in the Mammalia Room, No. 4, for the fuller and better display of the Cheiroptera, or Bats, and the Insectivorous Mammals.

By this provision more space is available for the arrangement of the Lemurs and the Quadrumana, and they are in consequence much better displayed than was previously possible.

THE COOKE BEQUEST OF BRITISH LEPIDOPTERA.

This Collection is under careful re-arrangement by Dr. J. W. Ellis, Honorary Secretary of the Lancashire and Cheshire Entomological Society, who has kindly undertaken the task.

PURCHASES.

The principal purchases during the year have been as follows :—

THE AUSTIN COLLECTION OF FOSSILS.

The principal features consist of the well-known Collection of Carboniferous and other Crinoids, to the collection and study of which the late Major Austin, long resident in Ireland and subsequently at Bristol, devoted so many years of his life ; and also of his Collection of Fossils from the Millstone Grit discovered by him in Britain. Major Austin commenced, but, from insufficient encouragement, did not complete his work entitled, *A Monograph on Recent and Fossil Crinoidea, with Figures and Descriptions*. Of this work, in quarto, only 128 pages, 16 plates, and frontispiece, were published. The unpublished drawings and text remain the property of his family ; but the specimens figured and described therein are now permanently placed in the Liverpool Museum.

This important Collection was purchased on the recommendation of the highest authorities on the subject, after an exhaustive examination by the Rev. H. H. Higgins on behalf of the Committee.

SELECTIONS FROM THE GODEFFROY COLLECTION.

The Brothers Godeffroy, distinguished among the Merchant Princes of Hamburg, for many years stimulated and encouraged, by all the means in their power, a taste for the collection of objects of Natural History among their numerous captains and agents in the Pacific Ocean. The Godeffroy Museum acquired a world-wide fame, but reverses of fortune caused it to be ultimately broken up and sold. Mr. Robert Damon, of

Weymouth, made large purchases, and from these careful selections were made by the Rev. H. H. Higgins, for the enrichment of the Museum, chiefly for the Invertebrate Collection.

A specimen of *Mimetite*, from Cumberland, and a specimen of the early Fossil Fish, *Pterichthys*.

Ninety specimens of 55 species of Shells.

Sixty-six specimens of 43 species of Fossil Echinoderms, &c., from the Inferior Oolite, Gault, Chalk, and Green Sand.

A selection of Fossil Nautili, Ammonites, &c.

An internal natural cast of *Ammonites perarmatus*, jointed, and showing the sutures.

Two specimens of Venus's Flower Basket (*Euplectella*) from the Philippine Islands, shewing peculiarities of structure; and two specimens of Cup-shaped Sponge, from Florida.

A finely-carved specimen of Cassis Shell (*Cassis madagascariensis*); a *Spondylus* Shell attached to a Pearl Oyster (*Margaritifera*), and a *Kuphus* Shell, three feet in length.

Sixteen selected specimens of Lepidopterous Insects, including examples of *Morpho Adonis*, *Caligo Tencer*, *Papilio Hippolytus*, *P. Edippus*, *Antherea Menippe*, &c.

A Flying Gurnard (*Dactylopterus*) and a small Sting Ray (*Urogymnus*) from India.

Two specimens of Iguana and an Australian Water Tortoise.

A Horned Pheasant (*Ceriornis*), a Maximilian's Maccaw, a Smew, and a Garganey Teal.

An Adult Cassowary (*Casuarus galeatus*), for the Osteological Collection.

A Stuffed Specimen of a Russian Wolf.

A Skin of the rare Margin-tailed Otter (*Pteronura Sandbachii*) from Guiana.

A Flying Squirrel from India, a Fœtal Peba, and the Skull of a Muntjac Deer.

A large specimen of the Three-toed Echidna (*Echidna Bruijni*), recently discovered in Northern New Guinea, and a Skull of the same.

An Equestrian Group, consisting of the mounted Skeletons of a Horse and his Rider : a study in Comparative Osteology.

Mounted Skeletons of a Philantomba Antelope (*Cephalophus maxwelli*), in flight ; and of a Great Eagle Owl (*Bubo maximus*), also in flight.

A Skeleton of a Propithecus Lemur and of a Tenrec. Polished Section of Molar Tooth of Indian Elephant, Skulls of Capybara, Hyæna, Chamois, Tarsius, Tuatera Lizard, Port Jackson Shark, Jaws of Ray, and Teeth of *Ceratodus*.

A polished specimen of the Coco do Mer.

Living specimens of Limulus, or Horse-shoe Crabs, of Salamanders, Green Tree Frogs, Green Lizards, Glass Snakes (*Pseudopus pallasi*), and River Fish from the Mersey, Shannies, &c., for the Aquaria.

DONATIONS.

Two Snakes from Delhi, Sumatra ; presented by Mr. Dionysius Alexander.

Specimens of raw and dyed Silks, Cocoons, &c., from various species of Indian Silk Moths ; together with samples of Lac and Lac Ware, selected by Mr. F. Moore, F.Z.S., and presented by the British Museum Natural History Department), South Kensington.

Specimens of the Saw Wasp (*Sirex juvencus*), from Clitheroe ; collected and presented by Mr. Thomas Altham.

Specimens of Beetles, Spiders, Ants, and a Fresh-water Crab, collected at Korti, 1,400 miles up the Nile, and presented by Brigade-Surgeon S. Archer, per Mr. Frank Archer.

Five Terrapins (*Malaclemys palustris*), ten American Salamanders (*Amblystoma tigrinum*), and fifteen Bull Frogs (*Rana mugiens*), for Aquaria; presented alive by Mr. Eugene Blackford, United States' Fish Commissioner, in return for living specimens of the Common Sole, successfully imported to New York from the Aquaria by R.M.S.S. *Britannic*, Captain Hamilton Perry, per favour of Mr. W. S. Graves, of the White Star Line; as recorded in the Proceedings of the Literary and Philosophical Society of Liverpool, Vol. XL, 1885-6, pp. 185-196.

A living Land Crab, found in a cargo of timber from Brazil; presented by Mr. John Brotherton.

A living specimen of the Telescope Fish (*Carassius auratus*), a cultivated variety of the Gold Fish; presented by Capt. J. Cummins, to whom it was given, at Mandalay, by an attendant upon the King of Burmah.

The Rostrum of a Saw Fish (*Pristis antiquorum*), and a Centipede; presented by Capt. Henry Daniel, S.S. *Caribbean*.

Six Mortimer Ship-Aquaria; presented by Mr. W. A. Duncan.

Two specimens of a rare British Beetle (*Chrysomela cerealis*), found only on Snowdon; collected August, 1886, and presented by Dr. J. W. Ellis.

Specimens of 22 species of S. African, Australian, New Zealand, and other Hydroida, named by Prof. Allman, LL.D., F.R.S., in the Journal of the Linnean Society (Zoology, vol. 19, pp. 132-161), and mostly new; presented by Miss H. Gatty from her own collection: also two specimens of *Plumularia pinnata*, and a specimen of *Azygoplou rostratum*, from examples described in Prof. Allman's "Report on the *Plumularidæ* of the Challenger Expedition."

A Common Ringed Snake and a young Leveret from Childwall; presented by Mr. W. L. Gladstone.

A large specimen of Pipe Fish (*Fistularia*), caught off Cape St. Vincent, Cape de Verde; presented by Capt. Thomas Hening, per Mr. H. C. Beasley.

A fine example of a rare Shell (*Spondylus Victorix*); presented by the Rev. H. H. Higgins, M.A.

A large Amazonian Terrapin or Water Tortoise (*Emys amazonica*), from Para; presented by Mr. George Hulse.

Specimens of *Osteocella*, preserved in spirit, from Burrard's Inlet, British Columbia, and a collection of Marine Specimens obtained on the voyage from Liverpool to British Columbia and back; presented by Capt. J. Griffith Jones, barque "Hermine," Associate of the Literary and Philosophical Society of Liverpool.

A living Spider of the genus *Delena*, with its egg sac, found in hard wood timber at the Prince's Dock; presented by Mr. Joseph Leyland.

Living specimens of Dragonet Fish, Sea Urchins, Star Fishes, Barnacles, &c., for the Aquaria, dredged by the Liverpool Marine Biology Committee.

A Magpie (*Pica caudata*), shot at Vyrnwy; presented by Mr. Councillor W. J. Lunt.

Three Snakes (*Elaps coronella*, *Cæcilia*, and *Acontias*) from Para; presented by Mr. F. P. Marrat.

Specimens of *Palolo viridis*, a remarkable Sea Worm, from the Fijian Seas; presented by the Hon. J. E. Mason, M.L.C.

An Indian Rock Snake (*Python molurus*); presented by Dr. Hugh Miller.

A Hymenomycetus Fungus, growing on trees, and often worked up for German tinder, and now brought into use as a material for soft hats by Messrs. Mander and Allender; presented by Sir J. A. Picton.

Specimens of Ripple-marked Sandstones, Sun Cracks, and Rain Pittings, from recent excavations in the Linne Street Tunnels and neighbourhood; presented by the London and North-Western Railway Company.

A large living Beetle* (*Dynastes typhon*), brought from Tijuca, Rio de Janeiro, and a preserved Trap-door Spider (*Lycosa*) and its enemy, from Estancia Yerua Concordia, Entre Rios, by Mr. Thomas Taylor, junr.; also living specimens of the only species of Trap-door Spider found in Britain (*Atypus piceus*), male and females, nests of each, and mounted specimens of male and female, specially procured by Mr. F. Enoch, of London, and presented by Mr. Frederick Taylor; also Trap-door Spiders from Mon Repos, Bordeaux, from Tangier, Morocco, and from Zante; presented by Mr. Frederick Taylor.

A collection of Marine Specimens, chiefly Fish and Mollusca, dredged in Panama Bay for the Museum; presented by Capt. W. H. Cawne Warren, Associate of the Literary and Philosophical Society, Liverpool.

Two Vertebrae of the Finner Whale (*Balænopteras Sibbaldii*) and other Cetacean Bones; a male and female Merganser, a Raven, and other specimens from the Isle of Lewis; collected and presented by Mr. Thomas West.

A series of Fossil remains of Plants from the Carboniferous Sandstone of Billinge Hill, including specimens showing scars in the outer coating of Lepidodendroid Trees, of which one is exceptionally fine, and does not appear to have been figured or described; presented by Mr. Nicholas Roskell, proprietor of the quarries.

Two small nests of Tree Wasps (*Polybia*), two small Insect Nests of Mud (*Pelopæus*), and two small Nests of Trap-door Spiders from Brazil; presented by Dr. Ewing Whittle.

* This Beetle fed freely on Bananas, and lived for more than three months after its arrival at the Museum.

MAYER MUSEUM.

DONATIONS.

Watch, made by Thomas Traunter, Salop; presented by Mr. George Fowler.

Koran, a copy, picked up at Abu-Klea, during the retreat from Metemmeh, February 16th, 1885; presented by the Rev. Dr. Hyde.

Selection of Pottery, &c., from San-el-Hagar, Egypt; presented by the Committee of the Egypt Exploration Fund.

Part of a Roman Mosaic Pavement, found by Mr. H. E. Dibbin, c.e., at the Village of Medbourne, near Market Harborough, Leicestershire; also, a coloured lithograph of the pavement as it would be when perfect.

Brick, with Cuneiform inscription; presented by Dr. Ewing Whittle.

Fifteen Stone Implements, from India; collected and presented by Mr. H. Gompertz.

Collection of Egyptian Antiquities, found by Mr. Flinders Petrie, at Naukratis, Egypt; presented by the Committee of the Egypt Exploration Fund.

Stone Pounder, brought from Antigua by the Hon. S. H. Gatty; presented by Mr. C. T. Gatty.

Chinese soap-stone Joss, found during excavations in St. Thomas' Churchyard, Liverpool; presented by Mr. T. Shelmerdine, Surveyor.

Eight specimens of Glass used by His Royal Highness, Prince Albert, K.G., at the opening of the Albert Dock, Liverpool, July, 1846; presented by the Rev. William Bramley-Moore.

Selection of Antiquities from Tell Gemayemi and Tell Defenneh, Egypt; presented by the Committee of the Egypt Exploration Fund.

Two 17th Century Forks, with silver-plated handles; presented by Mr. Benson.

PURCHASES.

Group of Ethnographical Objects, consisting of two Adzes, Solomon Islands; two Food Bowls, two Spoons, a Head-rest, and two Shell Implements, made from the "*Tridacna gigas*," from New Guinea.

Group of Ethnographical Objects, as follows:—Adze, with *Tooth* head, Tortoise-shell Armlets, Lime gourd with spoon, Idols, Wand, Head-rest, Club, Bone and Tortoise-shell Fish Hooks, Girdle Dress, netted Cradle and three Bags, from Northern New Guinea.

Pair of Japanese Vases.

Sunderland Frog Mug and Spode Plate.

Marble bust of George Canning.

Ancient Egyptian Armlets, Rings, and a Pectoral plate.

Twenty-nine Photographs of Natives of South Africa.

Wooden Idol or Ornament, from New Ireland.

Wedgwood "Queen's ware" plate, with a Sadler transfer print on it.

Facsimiles of Twenty-nine of the most famous Diamonds of the World.

WALKER ART GALLERY.

The Gallery has been open on 285 days during the year, and closed for cleaning and other purposes on 28 days. The total number of visitors was 539,623, or a daily average attendance of 1,893. Included in the above total are 80,000 visitors to the several Exhibitions, for which a charge was made, and 9,879 pupils of schools, of various denominations, admitted free.

In addition to the Autumn Exhibition, a Loan Collection of Pictures, kindly lent by the owners of Art Treasures in Liverpool and the neighbourhood, was open in the Gallery during May, June, and July. This afforded great satisfaction to all who visited it, and gave ample evidence of the wealth of Art stored in the mansions in and around the City. Statistics of these Exhibitions are given below.

Concurrently with the Loan Exhibition, the Liverpool Society of Painters in Water Colours, and the Liver Sketching Club, held their Exhibitions in rooms, the free use of which was granted by the Committee.

Towards the close of the year the Museum of Casts, illustrating the Gothic and Renaissance periods of Architecture, was opened. The Collection was made by the Chairman of the Art Department, P. H. Rathbone, Esq., and Mr. Alderman Samuelson, with the assistance of Mr. T. Armstrong, and Mr. H. M. Cundell, of South Kensington, the funds for the same being provided by a grant of £500, made by the City Council, supplemented by a grant of £182, from the Lords of the Council on Education. This department of the Art Collection is likely to be of great utility, and if used by the artizans, cannot but add to their technical and artistic knowledge.

The Committee lent Pictures during the year for the adornment of the Town Hall, during the visit of H.R.H. The Prince of Wales, and for Newsham House, on the occasion of the visit of Her Majesty the Queen.

Two Pictures were also lent for Exhibition at Berlin, viz. :—"And when did you last see your father?" by W. F. Yeames, R.A., and the "Rival Grandfathers," by John R. Reid. Honours were awarded to the Artists by the Fine Art Authorities at Berlin, Mr. Reid receiving the Small Gold Medal, and Mr. Yeames Honourable Mention.

Pictures have been deposited on Loan (and for the present remain in the Gallery) by Mr. Alderman Samuelson, Mr. Merton Russell-Cotes, and Messrs. Kendall & Sons.

Rooms in the Gallery were further utilized during the year by the Exhibition of the Cathedral Plans, prepared by Mr. Emerson, Mr. Brooks,

and Messrs. Bodley and Garner, which attracted a large number of visitors.

The number of students admitted to copy in the Gallery is steadily increasing, the total number of attendances being 3,865, or a daily average of 12.

The use of the Gallery was granted to the Society of Chemical Industry for the purpose of a *Conversazione*, on the 15th July, in connection with their meeting in Liverpool.

The Committee have granted to several firms the privilege of reproducing works of which they hold the copyright, and this, in addition to popularizing the respective Pictures, has yielded a sum towards additional purchases.

ADDITIONS.

Donations—

OIL PAINTINGS :

“The Blind Fiddler” (after Wilkie), by W. Weir ; and

“Interior of a Butcher’s Shop,” by Jan Stein ; presented by Mr. Alderman Samuelson, J.P.

ENGRAVINGS :

“The Queen and Prince Consort Visiting Wounded Soldiers from the Crimean War” (after Jerry Barrett), by T. O. Barlow, R.A. ; presented by Mr. Alderman Samuelson, J.P.

1 Volume of early Italian Prints ; presented by the Trustees of the British Museum.

Purchases—

WATER COLOURS :

“Bridge over the River Calder at Whalley,” by W. J. Bishop.

Also the following Oil Paintings purchased from the Autumn Exhibition :—

“Awaiting an Audience,” by Prof. Willem Geets.

“Ruth and Naomi,” by P. H. Calderon, R.A.

“Hard Times,” by Fredk. Brown.

“Off to the Fishing Ground,” by Stanhope A. Forbes.

AUTUMN EXHIBITION OF PICTURES.

	1886.			1885.		
Number of Pictures and other Works of Art Exhibited	1,279			1,462		
Number of Pictures Sold	224			196		
Amount Realised by Sales	£8,576	18	0	£8,028	8	
Season Tickets	1,831	302	10 6	2,952	501	7 6
Admission at One Shilling	22,941	1,147	1 0	26,349	1,317	9 0
Sixpence	15,908	397	14 0	14,658	366	9
Threepence	26,703	333	15 9	27,560	344	10 0
Catalogues Sold		434	9 0		481	7 9
Commission on Sales		336	13 9		353	17 0
Miscellaneous Receipts		27	19 8		44	1 10
Amount Received, Exclusive of Sales..	2,615	10	3	3,011	3	3

The following tabulated statement will be read with interest :—

TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 16 YEARS, FROM 1871 TO 1886.

Year.	ADMISSIONS.			Season Tickets.		Catalogues Sold.		Commission on Pictures Sold.		Miscellaneous Receipts.		Total Receipts.		Pictures Sold.	
	One Shilling.	Sixpence.	Threepence.												
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	No.	£ s. d.
1871	720 16 0	... ..	207 14 6	62 2 0	163 10 0	320 18 6	46 4 4	1,523 5 4	235	6,395 2 6				235	6,395 2 6
1872	601 5 0	175 9 6	48 2 6	59 6 6	168 0 6	312 6 0	3 18 3	1,368 8 3	242	6,231 4 6				242	6,231 4 6
1873	665 18 0	... ..	229 10 3	96 8 6	199 17 6	371 17 0	2 10 0	1,566 1 3	271	7,402 17 6				271	7,402 17 6
1874	854 16 0	... ..	241 13 3	151 16 6	247 0 6	479 0 3	2 7 0	1,976 13 6	337	9,514 13 0				337	9,514 13 0
1875	972 13 0	77 17 6	237 14 0	210 7 0	279 14 3	617 3 0	11 9 2	2,406 17 11	345	12,299 18 6				345	12,299 18 6
1876	1,118 0 0	86 9 6	232 7 6	221 1 0	301 12 0	440 15 3	9 10 7	2,409 15 10	255	8,867 10 0				255	8,867 10 0
1877	1,928 12 0	... ..	419 3 3	443 14 0	454 10 1	537 11 2	18 4 2	3,801 14 8	301	10,963 11 0				301	10,963 11 0
1878	1,964 17 0	330 9 6	423 5 0	538 14 6	562 8 6	237 13 0	142 0 4	4,189 7 10	235	6,225 14 0				235	6,225 14 0
1879	1,516 12 0	212 1 6	378 11 9	566 7 6	504 9 3	364 16 0	7 17 0	3,550 15 0	267	9,159 15 0				267	9,159 15 0
1880	1,449 11 0	274 4 6	439 19 6	499 16 0	509 7 3	544 3 3	10 17 7	3,727 19 1	271	11,753 7 6				271	11,753 7 6
1881	1,434 15 0	289 4 6	376 4 6	475 14 0	468 19 9	523 7 6	15 9 6	3,583 14 9	315	12,210 11 0				315	12,210 11 0
1882	1,430 3 0	299 3 6	332 16 0	476 1 0	472 14 6	362 8 9	23 1 11	3,396 8 8	311	7,868 3 6				311	7,868 3 6
1883	1,302 1 0	273 8 0	304 17 3	381 3 6	434 15 9	403 13 0	32 6 10	3,132 5 4	226	8,472 10 6				226	8,472 10 6
1884	1,966 12 0	535 0 6	519 14 3	649 7 6	599 13 3	432 6 3	87 7 5	4,790 1 2	291	12,313 7 6				291	12,313 7 6
1885	1,317 9 0	366 9 0	344 10 0	501 7 6	481 7 9	353 17 0	44 1 10	3,409 2 1	196	8,028 8 6				196	8,028 8 6
1886	1,147 1 0	397 14 0	333 15 9	302 10 6	434 9 0	336 13 9	27 19 8	2,980 3 8	224	8,576 18 0				224	8,576 18 0
Total	20,391 1 0	3,317 11 6	5,069 19 3	5,625 17 6	6,284 9 10	6,638 9 8	485 5 7	47,812 14 4	4,322	146,283 12 6				4,322	146,283 12 6

Out of 4,322 Pictures Sold during the last 16 years the Corporation of Liverpool Purchased 59 for their Permanent Gallery, the catalogue prices of which amounted to £22,839 10s.



PRESENTED



THIRTY-FIFTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY,
OF THE
CITY OF LIVERPOOL.



LIVERPOOL:
J. R. WILLIAMS & CO., PRINTERS, 8, SCHOOL LANE.

1888.

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COMMITTEE AND OFFICERS

FOR THE YEARS 1887-88.

Committee:

SIR JAMES ALLANSON PICTON, F.S.A., CHAIRMAN.

ALDERMAN EDWARD SAMUELSON, DEPUTY-CHAIRMAN.

THOMAS WILLIAM OAKSHOTT, MAYOR.

GEORGE H. BALL,

THOMAS B. HALL,

WILLIAM BENNETT,

ROBERT HAMILTON,

ANTHONY BOWER,

REV. H. H. HIGGINS, M.A.,

LIEUT.-COL A. H. BROWN, M.P.,

THOMAS HOLDER,

ANDREW COMMINS, LL.D., M.P.,

ROBERT D. HOLT,

JOHN DAVIES,

WILLIAM J. LUNT,

GEORGE C. DOBELL,

PHILIP H. RATHBONE,

ALDERMAN SIR A. B. WALKER, BART.

Chief Librarian:

PETER COWELL.

Sub-Librarian:

THOMAS FORMBY.

Curator of the Museum:

THOMAS J. MOORE.

Conchologist, Mineralogist, &c.:

F. P. MARRAT.

Curator of the Walker Art Gallery:

CHARLES DYALL.

GENERAL REPORT.

IN the last Report reference was made to the difficulties arising from a diminishing income and increasing expenditure, and the failure of the attempt to induce the Ratepayers to apply for Parliamentary sanction to add a farthing in the pound to the rate. Allusion was also made to the refusal of the Council to sanction the purchase of a portion of the Mayer Collection. This valuable assemblage of interesting objects has since been disposed of by auction at Sotheby and Wilkinson's in London. A few lots, to the utmost extent of our means, have been secured for the Library.

Since the establishment of the Lending Libraries, thirty-five years ago, many circumstances connected with their scope and object have changed. The City has doubled in population, but the extension has been irregular in its advance, and it became an important question how the additional demand thus arising could be best met.

At the beginning of the year a Sub-Committee was appointed to consider and report on the district libraries and reading rooms as to their extension, and, if necessary, their removal to more suitable situations. Mr. T. B. Hall, Chairman. This Sub-Committee, after a patient and diligent inquiry, has presented a report, a copy of which accompanies the present issue.* This was brought before the Council on the 1st of February, and after ample discussion and a division, the following resolution was adopted: "That the Report on the Free Lending Libraries be received and referred back to the Library Committee to obtain plans and estimates for carrying out their recommendations, to be hereafter submitted to the Council."

The Committee cannot but feel that their work of enlightenment and education has to be pursued under circumstances of great difficulty. There is no doubt that, in respect to the support accorded to these Institutions, Liverpool is falling behind in the race, whilst other communities, such as Birmingham, Manchester, Leeds, Preston, are advancing with rapid strides, and obtaining a proud pre-eminence. It remains to be seen

* See Appendix.

whether the second city in England is content to occupy this humiliating position. In any event this Committee has done its duty in calling public attention to the fact.

SIGNED ON BEHALF OF THE COMMITTEE,

J. A. PICTON, Kt.,

CHAIRMAN.

REFERENCE LIBRARY.

THE accommodation for the ever-increasing store of Books is becoming very limited, and before very long some effort will have to be made to extend its borders.

The lighting and heating of the extensive premises occupied entails a large expense, and requires constant vigilance. The poisonous atmosphere arising from the burning of gas in the bookrooms was found very injurious to the health of the employees, and also to the bindings of the books. With a view to improving this a trial was made of the incandescent electric light and a contract entered into for carrying it out. After twelve months' experience it had to be abandoned, principally on account of the greatly increased expense.

A system of improved gas lighting by Messrs. Sugg & Co. has been adopted, which is more economical, and has the advantage of lighting and ventilating at the same time. It is now working satisfactorily.

TABLE I.—Showing the Books issued during the year:—

Classification.	Volumes.	Daily Average
Theology, Morals, &c.	20,840	77
Natural Philosophy, Astronomy, &c.	19,669	72
Natural History	8,606	32
Science and the Arts	29,809	110
History and Biography	26,175	96
Topography and Antiquities	7,064	26
Voyages and Travels	12,255	45
Miscellaneous Literature (principally collected Works, Magazines in Volumes, &c.)	179,131	658
Jurisprudence, Law, and Politics	6,687	24
Commerce, Political Economy, and Statistics	4,275	16
Education and Language... ..	7,368	27
Poetry and Dramatic Literature	13,240	49
Prose Fiction	372,285	1,368
Latin and Greek Classics and Translations	4,495	17
Encyclopædias, and Works of General Reference	20,714	76
Patents for Invention	19,929	73
Total	752,542	2,766

The various Quarterly, Monthly, and Weekly Magazines and Reviews are placed at the discretionary use of the readers. No statistics are taken of their issue.

TABLE II.—Showing the number and classification of works added during the year :—

Classification.	Volumes added.	Total Number in the Library.
Theology, Morals, &c.	99	6,948
Natural Philosophy, Astronomy, &c.	61	2,184
Natural History	79	4,946
Science and the Arts	239	10,578
History and Biography	284	11,674
Topography and Antiquities	133	4,806
Voyages and Travels	125	4,953
Miscellaneous Literature (principally collected Works, Magazines, &c.)	796	21,476
Jurisprudence, Law, and Politics	137	7,447
Commerce, Political Economy, &c.	129	1,331
Education and Language... ..	21	1,473
Poetry and Dramatic Literature	62	3,763
Prose Fiction	57	5,613
Latin and Greek Classics and Translations	75	857
Heraldry, Encyclopædias, and Works of Reference	107	3,026
Total	2,404	91,075

The following is the List of Magazines and Periodicals taken in the Reference Library :—

QUARTERLY.

Annales des sciences naturelles
Archæologia cambrensis
Archæological Journal
Asiatic Quarterly Review
British and Foreign Evangelical Review
Calcutta Review
Church Quarterly Review
Dublin Review
Edinburgh Review
English Historical Review
Geninen
Grevillea
Ibis
Journal de conchyliologie
Journal für Ornithologie
Journal of Anatomy
Journal of the British Archæological Association
Journal of the Royal Agricultural Society
Journal of the Society of Antiquaries
Journal of the Statistical Society
Liverpool University Magazine
London Quarterly Review
Manchester Quarterly
Manx Note Book
Mind
Navy List
Numismatic Chronicle
Quarterly Journal of the Geological Society

QUARTERLY—continued.

Quarterly Journal of Microscopical Science
Quarterly Review
Reliquary
Revue celtique
Traethodydd
Zeitschrift für deutsche Philologie
Zeitschrift für Ethnologie

MONTHLY.

All the Year Round
American Journal of Science
American Naturalist
Annalen der Physik und Chemie
—— Beiblätter zu den Annalen der Physik
Annales de chimie et de physique
Annals and Magazine of Natural History
Antiquary
Argosy
Army List
Art Journal
Atlantic Monthly
Band of Hope Review
Banker's Magazine
Belgravia
Bibliothèque universelle
Birmingham, &c., Hardware Circular
Blackwood's Magazine
Board of Trade Journal

MONTHLY—*Continued*

Bookbinder
 Book Lore
 Botanical Magazine
 British Temperance Advocate
 Building World
 Cambridge Examiner
 Cassell's Magazine
 Century
 Chambers's Journal
 China Review
 Church Missionary Gleaner
 Church Missionary Intelligencer
 Church Missionary Juvenile Instructor
 Classical Review
 Congregational Magazine
 Congregationalist
 Contemporary Review
 Cornhill Magazine
 Daheim
 Day of Days
 Ecclesiastical Observer
 Educational Times
 English Illustrated Magazine
 Englishwoman's Review
 Expositor
 Financial Reformer
 Fireside
 Food
 Fortnightly Review
 Furniture Gazette
 Gazette des beaux-arts
 Gartenlaube
 Gentleman's Magazine
 Geological Magazine
 Gloucestershire Notes and Queries
 Good Health
 Good Words
 Gymnasium News
 Hand and Heart
 Harper's Magazine
 Herald of Health
 Home Words
 Homœopathic World
 Indian Antiquary
 Investor's Monthly Manual
 Journal of the Chemical Society
 Journal of Speculative Philosophy
 Journal of the Clerk of Works' Association
 Knowledge
 Leisure Hour
 Library Chronicle
 Library Journal
 Liebig's Annalen der Chemie
 Livre
 London, &c., Philosophical Magazine
 London Society

MONTHLY—*Continued.*

Longman's Magazine
 Machinery Market
 Macmillan's Magazine
 Magazine of Art
 Mineralogical Magazine
 Miscellanea genealogica
 Moniteur des architectes
 Month
 Musical Times
 Musical Society
 National Review
 Nautical Magazine
 New Church Magazine
 Nineteenth Century
 North American Review
 Observatory
 Oddfellows' Magazine
 Personal Rights' Journal
 Petermann's Mittheilungen
 Pitman's Musical Monthly
 Portfolio
 Present Truth
 Printer's Register
 Printing Times and Lithographer
 Quiver
 Railway Guide, Bradshaw's
 Revue archéologique
 Revue britannique
 Revue chrétienne
 Royal Astronomical Society's Monthly Notices
 Royal Geographical Society's Journal
 Sanitary Record
 Science Gossip
 Scribners' Magazine
 Script Phonographic Journal
 Shipping World
 Shorthand Magazine
 South American Journal
 Sunday at Home
 Sunday Magazine
 Temple Bar
 Theatre
 Tinsley's Magazine
 Tonic Sol-fa Reporter
 Truthseeker
 United Service Institute
 United Service Magazine
 Unserer Zeit
 Vegetarian Messenger
 Wesleyan Methodist Magazine
 Westminster Review
 Western Antiquary
 Woman's Suffrage Journal
 Yachting Magazine
 Zoologist
 Zoophilist

FORTNIGHTLY.

Brewers' Guardian
 Intermédiaire
 Revue des deux mondes

WEEKLY.

Academy
 American Settler
 Amateur Photographer
 Anglo-American Times
 Architect
 Athenæum
 British Architect
 British and Colonial Printer and Stationer
 Broad Arrow and Naval and Military Gazette
 Builder
 Builders' Weekly Reporter
 Building News
 Chemical News
 Cambridge University Reporter
 Chronique des arts
 Citizen
 Civil Service Times
 Civilian
 Colonies and India
 Comptes rendus
 Dingler's Polytechnisches Journal
 Economist
 Electrical Review
 Electrician
 Engineer
 Engineering
 English Mechanic
 Era
 Fair Play
 Field
 Fireside News
 Fun
 Gazette des architectes
 Gardeners' Chronicle
 Graphic

WEEKLY—Continued.

Grocer
 Illustrated London News
 Invention
 Iron
 Iron and Coal Trades Review
 Jewish Chronicle
 Journal of Gaslighting
 Journal of Horticulture
 Journal of the Society of Arts
 Judy
 Lancet
 Land and Water
 Law Times
 Light
 Liverpool Review
 Local Government Chronicle
 London Gazette
 Medium
 Mining Journal
 Money
 Moonshine
 Nature
 Notes and Queries
 Oxford University Gazette
 Pharmaceutical Journal
 Phonetic Journal
 Pictorial World
 Porcupine
 Public Opinion
 Punch
 Railway Journal
 Railway Review
 Sale and Exchange
 Saturday Review
 Scientific American
 Spectator
 Tablet
 Truth
 Volunteer Service Gazette
 Vanity Fair
 Weekly Notes
 World

The following Periodicals, Newspapers, &c., have been presented regularly by the Publishers:—

Amateur Photographer
 American Settler
 Anglo-American Times
 Birmingham and Sheffield Hardware Circular
 Bootle Times
 Brewers' Guardian
 British and Colonial Printer and Stationer
 British Temperance Advocate

Builders' Weekly Reporter
 Building World
 Cambridge Examiner
 Cape Argus
 Church Missionary Gleaner
 Church Missionary Intelligencer
 Church Missionary Juvenile Instructor
 Citizen
 Civil Service Times
 Colonies

Day of Days
 Ecclesiastical Observer
 Electrical Review
 Englishwoman's Review
 Fair Play
 Financial Reformer
 Fireside
 Fireside News
 Food
 Good Health
 Gymnasium News
 Hand and Heart
 Herald of Health
 Home Words
 Homœopathic World
 Invention
 Irish Times
 Iron and Coal Trades Review
 Jewish World
 Journal of Speculative Philosophy
 Journal of the Clerk of Works' Association
 Journal of the Statistical Society
 Leeds Times
 Light
 Liverpool and Bootle Evening Times
 Liverpool Catholic Times
 Liverpool Courier (daily and weekly)
 Liverpool Echo
 Liverpool Express
 Liverpool Halfpenny Weekly
 Liverpool Journal of Commerce
 Liverpool Mercury (daily and weekly)
 Liverpool Porcupine
 Liverpool Post (daily and weekly)

Liverpool Review
 Liverpool University Magazine
 Machinery Market
 Medium
 Methodist Chronicle
 Mona's Herald
 Musical Society
 Money
 Naval and Military Gazette
 New Church Magazine
 Oddfellows' Magazine
 Oxford Chronicle
 Personal Rights' Journal
 Pitman's Musical Monthly
 Porcupine
 Present Truth
 Preston Herald
 Railway Review
 Rhyl Journal
 Richmond and Twickenham Times
 Sale and Exchange
 Script Phonographic Journal
 Shipping World
 Signs of the Times
 Sloan-Duployan Phonographic Journal
 South American Journal
 Sunday Review
 Temperance Record
 Tonic Sol-fa Reporter
 Vegetarian Messenger
 Western Daily Press
 Woman's Suffrage Journal
 Worcestershire Herald
 Zoophilist

The following is a list of the Newspapers provided for the use in the Newsroom :—

Baner ac Amserau Cymru
 Belfast News-Letter
 Birmingham Daily Gazette
 Birmingham Daily Post
 Carnarvon and Denbigh Herald
 Freeman's Journal (2 copies)
 Glasgow Herald
 Guardian
 Irish Times
 Leeds Mercury
 Liverpool Courier (6 copies)
 Liverpool Daily Post (6 copies)
 Liverpool Journal of Commerce

Liverpool Mercury (6 copies)
 London Daily News (2 copies)
 London Morning Post
 London Standard (2 copies)
 London Telegraph (2 copies)
 London Times (2 copies)
 Manchester Courier
 Manchester Guardian
 New York Herald
 Pall Mall Gazette
 Scotsman
 Western Daily Press
 Yorkshire Post

DONATIONS.

The following Donations have been received during the year :—

ABRAHAM, A.C. :—Pharmaceutical Journal, 1st ser., v. 9-18, and 2nd ser., v. 1-4.
 ANONYMOUSLY :—Letter to the Bishop of

Liverpool on the Jubilee, by Sacerdos ;
 Scottish Metaphysics Reconstructed ;
 Shakspearean Characters.

- ASHTON-UNDER-LYNE FREE LIBRARY :—Catalogue.
- BARROW-IN-FURNESS :—Catalogue.
- BELOE, CHARLES H. :—Annual Report of the United States Life Saving Service, 1886.
- BIRKENHEAD FREE LIBRARY :—Bulletin of Books.
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- DICKINSON, J. W. :—Cumbriana, by William Dickinson.
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- EDEN, THOMAS :—Autobiography of John B. Gough; Boons and Blessings, by Mrs. S. C. Hall; Devil's Chain, by Edward Jenkins; Lectures and Addresses; Sunlight and Shadow, by J. B. Gough; and other Books and Pamphlets.
- ELLIS, DR. JOHN W. (the Author) :—The Lepidopterous Fauna of Lancashire and Cheshire, pt. 4.
- ERITH, F. N. (the Author) :—The Church, the Body, and the Bride.
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- FISK, FRANCIS (the Editor) :—Skyring's Builder's Price Book, 1887; Adcock's Engineer's Pocket Book, 1887.
- FRASER INSTITUTE, MONTREAL :—8th Report.
- GREEN, S. :—Voluntary Maintenance of Ministers in Plymouth and Massachusetts Bay Colonies.
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- HALDANE, W. C. (the Author) :—Civil and Mechanical Engineering.
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- HIGGINS, REV. H. H., M.A. :—Opuscula, vol. 3.
- HOLGATE, C. W. :—Account of the Chief Libraries of Australia and Tasmania. Account of the Chief Libraries of New Zealand.
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- LACH-SZYRMA, REV. W. S. (the Author) :—Alerial, (2 copies); Church History of Cornwall; Voyage of Sir Francis Drake.
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- LIBRARY REPORTS FROM THE FOLLOWING LIBRARIES :—Aberdeen; Aston, Manor of; Barrow-in-Furness; Birkenhead; Birmingham; Birmingham Proprietary Library; Bolton; Boston, U.S.A.; Bradford; Bridgeport, U.S.A.; Brooklyn, N.Y.; Burlington Fletcher, U.S.A.; Cambridge; Cardiff; Chester; Chicago, U.S.A.; Cincinnati, U.S.A.; Columbia College, N.Y.; Copenhagen Royal Library; Derby; Doncaster; Dublin; Dundee; Ealing; Enoch Pratt Free Library, Baltimore; Glasgow; Great Yarmouth; Germantown Friends; Halifax; Handsworth; Hereford; Indianapolis; Kidderminster; Leamington; Leeds; Maimonides Library, N.Y.; Manchester; Middlesbrough; Milwaukee; New-castle-upon-Tyne; New York Mercantile; Newton, U.S.A.; Norwich; Nottingham; Peabody Institute, Baltimore; Philadelphia Mercantile; Plymouth; Preston; Richmond; Rochdale; Runcorn; St. Helens; St. Louis Mercantile Library; St. Louis Public Library; St. Margaret and St. John, Westminster; Salford; San Francisco Mercantile Library; Sheffield; Shrewsbury; Sydney; South Australian; Southport; Stirling's and Glasgow; Swansea; Tonbridge; Toronto; Twickenham; Victoria; Walsall; Wandsworth; Watertown, Mass.; Watford; Wednesbury; West Bromwich; Wigan; Wolverhampton; Worcester; Mass.
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- LIVERPOOL INFANT ORPHAN ASYLUM :—Report, 1887.
- LIVERPOOL INSTITUTIONS :—Reports have been received from the following :—Catholic Reformatory Association; Central Relief and Organization Society; Church Schoolmasters and Schoolmistresses' Benevolent Institution; Clerks' Association; Liverpool Institute; Mercantile Marine Service

- Association; Mersey Mission to Seamen; Ragged School Union; Royal Institution; Savings Bank; Penny Savings Bank Association; Royal National Life-Boat Institution; School Ship 'Conway'; School of Science; Shipwreck and Humane Society; Town Mission; Training Ship 'Indefatigable.'
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- LOVELL, J. (the Author):—The Land Question (2 copies).
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- NEW SOUTH WALES, THE AGENT GENERAL FOR:—Year Book of New South Wales, 1887.
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- PARIS MUNICIPAL COUNCIL:—Conseil municipal de Paris: Proces verbaux, 1884-5 (4 vols); Rapports et documents, 1884 and 1885 (2 vols.); Budget de l'exercice, 1887 (1 vol.); Instructions pour le classement et le fonctionnement des bibliothèques municipales (1 vol.), avec list des ouvrages (3 pts.)
- PATTON, J. M.:—Dance of Death.
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- PERRY, REV. S. J., S.J.:—Stonyhurst College Observatory: Results of Meteorological, &c., Observations, 1886.
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- RICHARDSON, B. W. :—Natural Selection for Science and Art.
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Monthly Notices, vol. 47, pt. 5.
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Transactions, vol. 10.
- SHIELDS, W. :—The Final Philosophy.
- SLOAN, J. M. :—The Sloan-Duployan Phonographic Instructor.
- SMITH, SAMUEL, M.P. :—The Bi-Metallic System.
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- SYDNEY UNIVERSITY COLLEGE :—Calendar, 1887.
- THOMAS, J. :—Liverpool Social Reformer ; History of the Temperance Movement ; Meliora, 7 vols ; The Whisky Demon ; World's Temperance Convention, 1846 ; with 32 other volumes.
- TILLEY, R. H. :—American Genealogical Queries, 1887.
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- VEGETARIAN SOCIETY :—Ethics of Diet ; Fruits and Farinacea ; Plea for Vegetarianism ; and 11 other books.
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- WYMAN & SONS :—Royal Album of Arts and Industries of Great Britain.
- YOUNG, A. M. :—In Pawn.
- ZINCKE, F. B. (the Author) :—The Irish Difficulty (2 copies).
- ZOOLOGICAL SOCIETY OF LONDON :—
Proceedings, 1886-7. Transactions, vol. 12.

FREE LECTURES.

LECTURES DELIVERED FROM JANUARY TO MARCH, 1887.

The Twenty-second Winter Course, consisting of forty lectures as specified below, was delivered in the Rotunda Lecture Hall from January 3rd to March 10th, inclusive.

Total Attendance : 49,868. Average : 1,246.

LECTURERS AND SUBJECTS :

- ABBOTT, JOSEPH, B.A. The Atmosphere and some of its Phenomena ; illustrated by Experiments.
- ADAMS, REV. W. J. Common Sense : being a talk to Working Men.
- ALEXANDER, A., F.R.G.S., Director, Liverpool Gymnasium. Physical Recreation for the Working Classes ; illustrated by themselves.
- BENAS, BARON L., J.P. Popular Proverbs and Sayings.
- BIRCHALL, JAMES. The Territorial Growth of Russia ; illustrated by the Oxyhydrogen Light. (2 lectures.)
- BURBIDGE, REV. CANON. Pokers, general and particular : Thoughts on the World's Pioneers.
- COGAN, J.D. Musical Sounds ; with Musical and Experimental illustrations.
- CONWAY, W. M., M.A., Roscoe Professor of Art, University College, Liverpool. The Palaces of Nineveh. Assurbanibal's Great Lion Hunt ; illustrated by the Oxyhydrogen Light. (2 lectures.)
- CORTIE, REV. A. L., S.J. Solar Flames ; illustrated by the Oxyhydrogen Light.
- DAVIES, EDWARD, F.C.S., F.I.C. Alcohol chemically considered ; illustrated by the Oxyhydrogen Light.
- DRIFFIELD, VERO C. Photography ; illustrated by the Oxyhydrogen Light.

- DYALL, CHARLES, Curator, Walker Art Gallery. On Wit, Humour, and Pathos in English Poetry.
- ELLISON, COLONEL C. O. Pleasant Memories of a Tour through Belgium ; illustrated by the Oxyhydrogen Light.
- GIBSON, R. J. HARVEY, M.A., F.R.S.E., Demonstrator of Biology, University College, Liverpool. Our Common Food Plants. The Cotton Plant : its History and Commercial Value ; illustrated by the Oxyhydrogen Light. (2 lectures.)
- HANCOX, JOHN, Chief Superintendent of City Police. Police Recollections within the last Forty Years : Street Cries, Musicians, Vocalists, Beggars, &c.
- HERDMAN, DR. W. A., F.R.S.E., F.L.S., Professor of Natural History, University College, Liverpool. The Great Depths of the Ocean and their Inhabitants ; illustrated by the Oxyhydrogen Light.
- JEFFS, OSMUND W. Lakes and their Origin ; illustrated by the Oxyhydrogen Light.
- JOHNSON, RICHARD C., F.R.S.A. Application of the Spectroscope to Astronomy ; illustrated by the Oxyhydrogen Light.
- JONES, REV. W. HENRY. Finland and its People : their Manners, Customs, Stories, and Music ; illustrated by Diagrams, &c.
- JUDE, W. H., Principal, Liverpool Organ School. Musical Pictures ; with Vocal and Instrumental illustrations.
- LODGE, DR. OLIVER, Professor of Physics, University College, Liverpool. On the Tides ; illustrated by the Oxyhydrogen Light.
- LOGEMAN, W. S. Shakespere in the 16th and 19th Centuries ; illustrated by the Oxyhydrogen Light.
- MACCUNN, JOHN, M.A., Professor of Philosophy and Political Economy, University College, Liverpool. The Consumption of Wealth.
- MACKAY, J. M., M.A., Professor of History, University College, Liverpool. The Pioneers of the English Marine,

- RATHBONE, P. H., J.P. How Cities were made Beautiful in the Olden Time, and may be again, as illustrated by the Gallery of Casts ; illustrated by the Oxyhydrogen Light.
- RENDALL, G. H., M.A., Principal, University College, Liverpool. Death and after Death to Greeks and Romans ; illustrated by the Oxyhydrogen Light.
- RIGBY, REV. E. A., S.J., Professor of Physics, Stonyhurst College. How and why we breathe. Corals and Coral Reefs ; illustrated by the Oxyhydrogen Light. (2 lectures.)
- SHAW, H. S. HELE, Professor of Engineering, University College, Liverpool. James Watt and the invention of the Steam Engine. George Stephenson and the introduction of Railways ; illustrated by the Oxyhydrogen Light. (2 lectures.)
- SOMERVELL, ROBERT, B.A. Work and Trade, good and bad.
- STRONG, HERBERT A., M.A., LL.D., Professor of Latin, University College, Liverpool. Fields of Emigration in the Southern Hemisphere ; illustrated by the Oxyhydrogen Light.
- STUBBS, CAPTAIN EDWARD, R.N. Our Lighthouses and Lightships ; illustrated by the Oxyhydrogen Light.
- THOMPSON, ISAAC C., F.R.M.S. A Holiday in the Pyrenees ; illustrated by the Oxyhydrogen Light.
- VEITCH, JAMES, M.A. The Life and Works of Robert Burns ; illustrated by the Oxyhydrogen Light. (2 lectures).
- WILLIAMS, REV. S. FLETCHER. Simon de Montfort and the first House of Commons.

LECTURES DELIVERED DURING OCTOBER, NOVEMBER, AND
DECEMBER, 1887.

Two Courses of four lectures each, and one Course of eight lectures, were delivered in the Rotunda Lecture Hall, from October 17th to December 5th inclusive.

Total attendance at the three Courses : 12,339. Average : 771.

LECTURERS AND SUBJECTS :

Four lectures on "The Art of Sculpture," by John A. P. MacBride, Sculptor.

Total Attendance : 2,581. Average : 645.

Four Lectures on "The American Constitution of 1788," by J. K. Stephen, M.A., Barrister-at-Law.

Total Attendance : 2,480. Average : 620.

Eight Lectures on "The Structure and Functions of the Human Body," by the following Professors and Lecturers of University College, Liverpool, viz.:—W. MITCHELL BANKS, M.D., F.R.C.S., Professor of Anatomy; ALEXANDER BARRON, M.B., C.M., Demonstrator of Pathology; RICHARD CATON, M.D., M.R.C.P., Professor of Physiology; R. J. HARVEY GIBSON, M.A., F.R.S.E., Demonstrator of Biology; DR. W. A. HERDMAN, F.R.S.E., F.L.S., Professor of Natural History; E. W. HOPE, M.D., D.SC., Lecturer on Hygiene, and Assistant Medical Officer of Health for Liverpool; F. T. PAUL, F.R.C.S., Lecturer on Medical Jurisprudence; H. S. HELE SHAW, M.I.C.E., Professor of Engineering.

Total Attendance : 7,278. Average : 909.

LENDING LIBRARIES.

TABLE I.—General Statistics :—

	1887.			1886.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Volumes lent	203,200	202,071	405,271	202,652	180,910	383,562
New Tickets issued	2,029	2,276	4,305	2,005	2,194	4,199
Tickets renewed	2,388	2,121	4,509	2,311	1,953	4,264
Tickets cancelled	1,928	2,038	3,966	2,080	2,097	4,177
Readers on the books	4,388	4,467	8,855	4,287	4,229	8,516
Books lost or injured, and paid for	15	24	39	21	11	32
Books lost	—	—	—	—	4	4
Volumes worn out—withdrawn ..	272	77	349	550	419	969
Volumes worn out—replaced	406	751	1,157	534	526	1,060
Volumes added	632	670	1,302	428	450	878
Total vols. in Libraries	23,505	23,204	46,709	23,145	22,611	45,756

TABLE II.—Showing the Classification of Volumes Lent and Added:—

	Volumes Lent.			Volumes Added.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Theology	3,281	3,081	6,362	11	9	20
Natural Philosophy	2,875	2,893	5,768	14	30	44
Natural History	2,260	1,805	4,065	17	15	32
Science and the Arts	9,185	8,407	17,592	99	93	192
History and Biography	8,241	8,800	17,041	78	71	149
Topography and Antiquities	822	994	1,816	16	12	28
Voyages and Travels	5,115	5,720	10,835	19	20	39
Miscellaneous Literature	11,598	12,176	23,774	93	128	221
Jurisprudence, Law, and Politics	278	215	493	4	4	8
Commerce and Political Economy	621	443	1,064	8	5	13
Education, Languages, and Logic	1,434	1,253	2,687	—	1	1
Poetry and the Drama	1,349	1,017	2,366	11	13	24
Prose Fiction	155,883	154,902	310,785	262	239	501
Latin and Greek Classics	203	290	493	—	—	—
Books for the Blind	55	75	130	—	30	30
TOTAL	203,200	202,071	405,271	632	670	1,302

BRANCH EVENING READING ROOMS.

Place.				Attendance.	Average per night.
Chatsworth Street Board School	...	...	...	26,408	88
Low Hill School ... ..	...	...	...	13,780	46
Queen's Road Board School	...	...	...	19,198	64
Stanley Road Board School	...	...	...	27,646	92
Wellington Road School ...	...	...	...	19,232	64
Total ... ..	...	...	...	106,264	354

MUSEUM.

THE Committee have to record a valuable presentation from Mr. Frederick Taylor, of Rainhill, of a Collection of Humming Birds, with handsome case and accessories, as a Jubilee gift.

A Collection of Skins from Palestine, India, &c., formed by the late Mr. Hugh Heywood Jones, have been presented by his family. The particulars will be found below.

A Collection of Skins and Horns of Large Game Animals from the Caucasus, specially collected and presented by Mr. St. George Littledale, as recorded below.

The Museum possesses a large number of skins, in part from the original Derby Collection, which have since been added to. In stuffing and preparing these for exhibition attention is being paid to the pictorial grouping and natural surroundings, as will be seen further on.

The Circulating Museum Collections, for educational purposes in schools, introduced by the Rev. H. H. Higgins, have been attended with great success. A letter of acknowledgment to that effect is given below.

VISITORS TO MUSEUM.

The Visitors to the Museum during the year have been as follows :—

	1887. (215 Days.)	1886. (212 Days.)
Total Visitors in the year..	255,616	357,916
Weekly Average	4,915	6,883
Daily Average	1,188	1,688

The great and unusual Jubilee attractions in Manchester and other places have had an adverse influence on the spring and summer visitors to the Museum as well as to Liverpool in general.

The numbers, however, compare favourably with those of the British Museum of Natural History in London, for the *daily average* in 1886, as gathered from the Return to the House of Commons, dated May 10th, 1887, amounted to 1,234, while the daily average to this Museum amounted to 1,688 for the same period.

The number of Special Visitors has considerably increased, and includes a larger number of Scientific Travellers, Museum Curators, and American and Continental Professors, than in any previous period, to inspect the collections, arrangements, methods, and appliances.

CIRCULATING MUSEUM COLLECTIONS FOR SCHOOLS AND OTHER
EDUCATIONAL PURPOSES.

The following letter testifies to the educational value of these collections :—

LIVERPOOL AND DISTRICT TEACHERS' ASSOCIATION,

68, BERKLEY STREET, LIVERPOOL,

February 3rd, 1888.

To the Liverpool Museum Sub-Committee.

GENTLEMEN,

At the last monthly meeting of the above Association, held on January 28th, a motion was unanimously passed to the effect that a letter should be written, thanking you on behalf of the Teachers for the valuable Circulating Museum you have provided, and expressing their appreciation of the great help and value of such a means of instruction. It was mentioned, as a proof of the usefulness of the boxes of objects, that scholars were set thinking and enquiring, so that they have proved a real aid to teaching.

We should be glad indeed to get them oftener, since they have been so helpful and interesting.

Our own School Museums are very useful to us, but necessarily limited, and the Circulating Museum supplies us with very many objects quite out of our reach. The boxes are a reminder of the large collection in the William Brown Street Museum, and many of our scholars have thus been induced to visit it.

We believe the Circulating Museum is doing a good work, and we feel we owe you a deep debt of gratitude for so kindly providing it.

I am, Gentlemen,

Yours obediently,

JOHN W. WOOD,

SECRETARY.

These cabinet collections, small and limited in number, but specially selected and arranged, are lent in certain order, and usually for a month at a time, to Elementary Schools within the boundaries of the City. Duplicate specimens are also lent from time to time, on application, for special object lessons by Teachers and for other educational purposes.

An increase in the number of children and young persons, evidently resulting from the use of the Circulating Collections, has long been noticed, especially on Saturdays.

Several meetings of the Geological Association, for lecture purposes in the Museum, have taken place on Saturday afternoons by arrangement, and have been addressed by their own members, by the Rev. H. H. Higgins, Mr. F. P. Marrat, and the Curator.

Students from the Training College, Mount Pleasant, from Wallasey Grammar School, and children from various schools, have made special visits of inspection to the Museum.

THE COOKE BEQUEST OF BRITISH LEPIDOPTERA.

Dr. J. W. Ellis has kindly continued his services in re-arranging this valuable collection, successive drawers of which are exhibited at the monthly meetings of the Lancashire and Cheshire Entomological Society, which take place within the building.

PICTORIAL GROUPS.

The mounting of stuffed specimens, so as to show, where possible, the male, female, and young with natural surroundings, and artistically displayed, was commenced in the Museum as far back as 1865 with a group of the Common Bald Coot. Other groups have been similarly mounted from time to time for several years past. Among the latest are Pictorial groups of the Common Pheasant, Gold and Amherst Pheasants, the Talegalla or so-called Brush Turkey, and other Mound-making Birds of Australia, New Guinea, and neighbouring islands; (birds which leave their eggs to incubate by the heat produced by the decaying vegetable matter of which the mounds are more or less composed); groups of Guillemots and other Sea-birds; also Chamois and Ibexes from the Caucasus, and examples of all the so-called Flying Mammals. Such groups arrest the attention, give life to a collection, and add greatly to the instructiveness of the specimens so displayed.

Several of these, as also other objects of interest, and recent acquisitions, have been exhibited at the meetings and the Soirée of the Associated Societies of Liverpool.

The Austin Collection of Fossil Crinoids has been carefully arranged, and has proved of greater scientific value and interest even than was anticipated.

A room devoted to Fish Amphibia and Reptiles and the Phillip's Collection of Minerals is being re-arranged, and will shortly be ready for exhibition.

LOANS.

A group of Harp Seals from Newfoundland, presented by Mr. C. T. Bowring, Arctic Foxes, Moose and Walrus Heads, &c., Northern Shells and Crustacea illustrating Life in High Latitudes; Oil Paintings of Bison, Moose, Wapiti, &c., by Catlin; and a series of Mounted Photographic Views of Melbourne in 1862, were lent to the Liverpool Jubilee Exhibition.

EXCHANGES.

A series of Fossil Plants, specimens of Coal, &c., from the Miocene Rocks of the Arctic Regions, collected chiefly in Greenland, by Mr. E. Whymper, received from the British Museum of Natural History; also a small Marsupial animal (*Podabrus*) from the same.

The Skull of a Tiger, from the Liverpool School of Medicine.

A Dwarf Parrot (*Nasiterna pusio*) from New Britain, from the Rev. Canon Tristram.

Living specimens of the Menopome (*Cryptobranchus alleghaniensis*), and six Terrapins (*Emys Holbrooki*?) for the Aquaria, from Mr. Eugene Blackford, New York Fish Commission, in exchange for living specimens of the Common Sole, sent to America with a view to naturalization.

DONATIONS.

Three living full-coloured Gold Carp or Telescope Fish (*Carassius auratus*), with trifold tails and projecting eyes, brought from Shanghai; presented by Mr. D. Alexander.

Specimens of Fossil Sponges (*Hexactinellida*, *Lithistina* and *Calcarea*): a case of Parasites in recent Sponges, &c.; selected as type specimens for the teaching series of Sponges; presented by Mr. H. J. Carter, F.R.S., per Mr. Thos. Higgin, F.L.S.

Seven Cock Pheasants and five Hen Pheasants (one assuming the plumage of the male), from the Knowsley preserves, for a pictorial group; presented by the Earl of Derby, per Mr. G. C. Hale.

A large specimen of the Lump Sucker Fish (*Cyclopterus lumpus*) and a Northern Stone Crab (*Lithodes maia*); presented by Mr. Councillor J. Duncan.

A specimen of Shale or Cannel Coal from the Brackenridge range of mountains, Kentucky; presented by Mr. C. J. English.

Four small Gorgonias from West Africa; presented by Mr. P. Entwistle.

An Insect Cocoon, in gum, from Oregon; presented by Mr. J. Harris Gibson.

A Calcareous deposit taken from a water pipe in a colliery shaft in Flintshire, in 1886; presented by Mr. Henry Hall, Inspector of Mines.

A series of Fungi collected in the vicinity of Liverpool, by the Rev. Henry H. Higgins, and presented by him to this Museum. The series occupies twelve drawers, and was in 1858 deposited by the Collector for Exhibition in the Museum of the Liverpool Royal Institution.

Specimens of Fish and Crustacea from Buenos Ayres; presented by Mr. Councillor R. Hamilton.

A specimen of the Half-beak Fish (*Hemiramphus*); collected and presented by Capt. Hening, s.s. Rosse, per Mr. H. C. Beasley.

A Rare Insect (*Deinacrida megacephala*) from New Zealand; collected and presented by Mr. Harry P. Higginson, C.E., per Mr. H. B. Higginson.

Specimens of Fossil Bivalve Shells (*Anthrocosia robusta*) from Newton Colliery ; collected and presented by Mr. John Housley.

Specimens of Bismuth, Magnesium, and Foliated Zinc ; presented by Messrs. Johnson & Co.

A Collection of one hundred and sixty Skins of Birds, and three small Mammals, chiefly from Palestine ; collected by the late Mr. Hugh Heywood Jones, and presented by Mr. B. Heywood Jones on behalf of the family.

The Collection consists of 160 unstuffed skins, chiefly of perching birds and birds of prey. It comprises examples of most of the characteristic birds of Western Palestine, as well as of species whose range extends to India, to Egypt and other parts of Africa, and to Britain, thus illustrating among birds several peculiarities of the Palestine fauna. These are due to the unparalleled physical conditions of wilderness, mountainous ranges, and the deep gorge of the Dead Sea, whose surface is nearly 1,300 feet below the ordinary sea level, the deepest depression on the earth's surface.

Mr. Hugh Jones made collections in Palestine in 1880 and 1881, and again in 1885. Of the first and second he had already given selections. These, with the birds now received, include all that he obtained in the three expeditions, whose primary object was to study the Ornithology of the country.

Beside the birds above referred to, three small Palestine Mammals have been received with them. One or two larger species were previously given by Mr. Jones from his earlier expeditions to that country.

A few skins of birds from India, Madeira, and the Isle of Lewis, collected by him, have also been given with the above.

All the specimens have been carefully labelled with the place and date of capture, and, in the 1885 collection, with still further particulars of colour of feet, eyes, &c., at time of capture, adding materially to the scientific value of the specimens.

Mr. Hugh Jones was a liberal donor to the Museum. Among his gifts may be mentioned a series of Hyrax from Palestine, a series of small Mammals collected in Wyoming, and of heads and horns of large game shot by himself during his various excursions to the Himalayas, Cachmere, and Thibet, where he made numerous graphic sketches of the scenes he visited and the game he met with. These sketches have been copied and printed, and a set has been given for use in the Museum when the drawings may serviceably illustrate the specimens collected on these excursions.

Three skins of the Ollen Stag and one pair of horns; two adult male Tur Ibex skins and skulls, and one skin of female, and skeleton; one Bear skin and skeleton, and two young Bear skins; two Chamois skins, male and female, and skulls; all specially collected in the Caucasus in 1886 for the Museum, and presented by Mr. St. George Littledale.

The skull and horns of an Ollen Stag, the skin and skull of a young Chamois, and the skin and skull of a Wild Boar; specially collected in the Caucasus in 1887 for the Museum, by Mr. St. George Littledale.

A bottle of specimens of Lamp Shells (*Waldheimia*) from Sydney Harbour, N. S. W.; presented by Professor A. Liversidge, University of Sydney.

Specimens of Bats from Cape Coast Castle; presented by Major C. B. Lyster, per Mr. Frank Archer.

A Hoopoe, a Bee-Eater, a Sand-Grouse, three other Bird Skins, and a collection of Shells from St. Augustine's Bay, Madagascar; presented by Mr. Hugh McCubbin.

Specimens of Ear Shells (*Haliotis Californianus* and *Haliotis Kamschatka*), and a specimen of Antimony, from Bornco; presented by Mr. F. P. Marrat.

A Stoat in Ermine dress, shot at Noctorum, Cheshire, January 29th, 1887; presented by Mr. John Merry.

A case of *Gardeners' Insect Friends*, and a case of *Gardeners' Insect Foes*, with popular descriptions and illustrations of their life history; prepared and presented by Mr. S. L. Mosley.

Twenty-one plates of *Radiolaria*, from the "*Challenger*" Reports; presented by Mr. John Murray, F.R.S.

A collection of Birds and Beetles from Bechuana Land, between Kuruman and the Table River; presented by R. W. P.

Two living young Alligators (*Alligator Mississippiensis*) from Savannah; presented by Capt. E. Parry.

Three pieces of Fossil Fish Teeth (*Ceratodus*) from Aust Cliff, Bristol; presented by Mr. Spencer George Percival.

Fore and hind feet of a Rein Deer, showing their peculiar adaptation; presented by Mr. Councillor J. Ruddin.

A living Northern Stone Crab (*Lithodes maia*) from Ayr, Scotland; presented by Mr. Fred. Saunby.

A specimen of *Peripatus* from Demerara; collected and presented by Mr. W. L. Slater, F.L.S. An Insect "of very great zoological interest, as lying near one of the main stems of the great zoological family tree."—Mosley, *Philosophical Transactions*, 1874.

A Convolvulus Hawk Moth (*Sphinx convolvuli*) caught in the Botanic Garden; presented by Mr. Charles Sherry.

Specimens of Sulphide of Molybdenum, from Australia; presented by Mr. Alexander Sparrow.

Specimens of *Distoma hepaticum* (Liver Fluke of sheep); Larvæ of *Estrus ovis* (Bot Fly from the sinus of the skull of sheep); Larvæ of *Tenia cœnurus*, causing staggers in sheep; Worms from sheep and lambs from flocks in Uruguay; an Ant's Nest and seven Agates in the rough from Uruguay; collected and presented by Mr. W. P. Steer.

A Longicorn Beetle (*Stenocorus*), and the Larva of a species of Goat Moth (*Cossus*), with their borings in oak staves, from Quebec; presented by Mr. J. A. Sutton.

The Taylor collection of Humming Birds, comprising about 150 specimens, grouped in a large polished walnut and plate glass case with

glazed drawers and accessories ; presented as a Jubilee gift by Mr. Frederick Taylor, of Rainhill, together with coloured drawing by Gould, and a portrait by Ferranti ; also two drawers of Bird-catching and other Spiders from the collection of the late Mr. Melly.

Also by the same donor, fifteen skins of Humming Birds, specially procured for adding to the above collection ; and two male and two female Trap-Door Spiders, and three nests of the same ; obtained from Jamaica for the Museum.

A collection of three species of small Gorgonias, from the West Coast of Africa ; presented by Mr. Charles Teare.

Two young Alligators (*Alligator Mississippiensis*), for the Aquaria ; presented by Mr. Teare.

A living pale-coloured Gold Carp (*Carassius auratus*), with trifid tail, brought from San Francisco ; presented by Capt. R. H. Tulloch.

A fine specimen of a Fruit Bat from Yokohama, Japan ; presented by Mr. W. Walker, per Mr. Walthew.

A Slavonian Grebe (*Podiceps auritus*), and a Golden Eye Duck (*Clangula glaucion*), shot and presented by Mr. Thomas West.

The larva of a longicorn Beetle (*Acanthophorus*), found in sawdust on the ship "Dardanus" from Ceylon ; presented by Mr. Thomas Whelan.

The Skull, Horns, and Jaws of a Flat-horned Buffalo from West Africa, presented by Mr. W. A. Ring.

PURCHASES.

The principal purchases have been as follows :—

A large stuffed specimen of the Black-faced Kangaroo (*Macropus melanops*), a Canadian Lynx, and two Snowy Owls.

A male Gold Pheasant and two Hybrids (male and female), between the Gold and Amherst Pheasants, bred in captivity, and mounted in a Pictorial Group.

An adult male Goosander (*Mergus merganser*).

A group of Hedgehogs, male, female, and five young ones, pictorially mounted.

Mounted skeletons of two large American Amphibians (*Amphiuma tridactyla* and *Sirenia lacertina*), skin and skull of Desman or *Mygale* from Russia, and a series of sixteen selected skulls of Mammalia, and nine of Reptiles, for the Osteological Collection.

A case of specimens, with Notes and Drawings, illustrating the Life History of the "Hessian Fly" (*Cecidomyia destructor*).

Two rare Crustaceans (*Thalassina scorpionoides* and *Acanthopus planissimus*).

Two rare Gorgonias or Sea-Fans.

A Fossil Polyzoon (*Chalcites septosus*).

A large foliated Sponge.

Enlarged Glass Models, by Blaschka of Dresden, of the Microscopic Structure of Hexactinellid Sponges.

Selected Specimens of Napoleonite, Precious Opal, Calamine, Blende, Franklinite, Cupro-Uranite, Calcite, Turgite, Libethenite, Azurite, Malachite, and other Minerals.

Living Local Marine and Freshwater Specimens for the Aquaria.

MAYER MUSEUM.

During the past year the collections of Ethnography and Armour were lent to the Royal Jubilee Exhibition, Liverpool. The Ethnographical Collection formed the principal exhibit in the Exploration Courts; and the Armour a corresponding exhibit to Lord Londesborough's in the War Trophies Court. The Armour Collection is now in course of re-arrangement, and is being thoroughly cleaned. The

Ethnographical Collection, owing to there being insufficient room for its exhibition in the Museum, has been carefully stored away in cabinets of easy access provided for that purpose.

DONATIONS.

Napoleon Medal, "Conquest of Germany;" presented by Mr. Thomas Harries.

Pottery Box, painted by William Fifeild, a Bristol Enamel painter; presented by Mr. Spencer George Perceval.

Salt-glazed Dish; presented by Mr. John Spencer.

Seven Carnelian Amulets, in form of Arrow-heads; presented by Mr. E. Bidwell.

Two Jubilee Medals, 1887; presented by Mr. F. T. Turton.

EXCHANGES.

Seven duplicate pieces of Wedgwood Ware, in exchange for forty-five specimens of Wedgwood Ware, new to the collection.

A duplicate Egyptian figure of Seti I., in exchange for a blue porcelain figure of Pinotem II., found at Dayr-el-Bahari.

LOAN.

Specimens of the various Coins of Great Britain, Ireland, India, and the Colonies, struck during the reign of Queen Victoria; lent by Mr. James O'Byrne.

PURCHASES.

Silver Medal, "Circus Street School, Class of Honour, 1806, Liverpool, No. 5, given to Mary Lewis."

Salt-glazed stoneware Jug.

Dancing Mask from Ceylon.

Selection of Arrow-heads, Bronze Implements, &c., &c., from Pena Blanca, North Chili.

Flint-lock Pistol, highly inlaid with gold ; Italian late 17th Century.

Teapot and Cream Jug, made by Elijah Mayer.

Photograph of a Soudan Arab.

Two Necklaces and Armlets ; from the Soudan.

Two Breast Ornaments of Shell ; from the Admiralty Islands.

Specimens of Feathery Quartz, Crystal Ball, Paris Diamond, and Imitation Topaz, Beryl, and Ruby.

Group of Ethnological Objects, from Somali Land, specially obtained by Dr. Godfrey Thrupp for the Exploration Court, Royal Jubilee Exhibition, Liverpool, and recently exhibited there, viz. : Two Circular Hide Shields, Grass Mat, Water Bottles, Pottery Vessel, Food Bowls, Stool, Sandals, Sword and Sheath, Whips, Spoons, Apron, and Spears.

Lancaster Jubilee Medal, 1887.

Fifty-three Engravings, illustrative of Captain Cook's Voyages.

Copies of Helmet and Shield of Henry IV of France ; originals in the Louvre.

WALKER ART GALLERY.

During the year the Gallery has been open on 292 days, and closed for cleaning and other purposes on 21 days. The total number of visitors was 416,820, or a daily average attendance of 1,427. Included in the above total are 55,428 visitors to the Autumn Exhibition, and 9,693 pupils of schools of various denominations admitted free.

An Exhibition of illustrations of the works of Raphael was held in the gallery during the months of April, May, June, and July. It included

over 400 examples (reproduced as Autotypes, Photographs, Etchings, and Oil Paintings) of Raphael's works, contributed by the Authorities of the Liverpool University, Mr. Enoch Harvey, Mr. Philip Henry Rathbone, Mr. A. B. Dunsford, Messrs. Elkington & Co., and the Liverpool Corporation. These were classed under the Umbrian, Florentine, and Roman periods.

The Exhibition was collected and arranged by Professor Conway, who also prepared a Catalogue which contains not only the titles of the works exhibited, but a complete list of all the Artist's known works.

The Liver Society of Artists held their Exhibition in the Gallery during the month of April, and during May and June, the Liverpool Society of Water-Colour Painters also held their Exhibition in the Gallery.

The Committee contributed to the Liverpool Jubilee Exhibition a collection of 18 models of Castles, Abbeys, &c.

The Committee lent the following pictures during the year :—

To the Manchester Jubilee Exhibition:—"Julian the Apostate," by E. Armitage, R.A.; "Saving the Guns," by R. Caton Woodville; "The Evening of the Battle of Waterloo," by Ernest Crofts, A.R.A.; and "The Castle Rock, Cumberland," by Clarence Whaite, R. W. S.

The following pictures were lent to the Jubilee Exhibition at Saltaire :—

"Trial of the Earl of Strafford," by W. Fisk; "Nature's Mirror," by Peter Ghent; "The Ante-Chamber at Whitehall during the last moments of Charles II," by E. M. Ward, R.A.

The Committee also at the request of the Artist contributed a picture by W. L. Picknell, entitled "Wintry March," to the American Exhibition, held in London.

The Arts Committee at Manchester reciprocated by lending to the Committee :—

"The Good Samaritan," by G. F. Watts, R.A.; "The Ides of March," by E. J. Poynter, R.A.; and "Eve Tempted," by R. Spencer Stanhope.

Two Soirees were held during the year.

The Congress of the British Archæological Association, holding their meeting in Liverpool, in August, were invited by the Committee on the 19th of that month to a *Conversazione*, which was largely attended.

A similar entertainment was given to close the Autumn Exhibition of Pictures, on Monday, December 5th, which was attended by the local Artists and many leading Citizens.

A large number continue to attend the Gallery for the purpose of study, and during the year 38 new students have applied for and obtained permission to copy.

In November Mr. Charles Langton, J.P., deposited in the Gallery, on loan, his Collection of Oil and Water Colour Paintings for a period of six months.

This collection is of great interest, and includes fine examples of the works of De Wint, Copley Fielding, Sam Prout, David Cox, R.A., David Roberts, R.A., E. W. Cooke, R.A., C. Stanfield, R.A., T. Sidney Cooper, R.A., T. M. Richardson, George Fripp, George Morland, and others.

In December the Committee granted an application from Messrs. Dowdeswell and Sons, to rent some of the principal rooms for an exhibition of the works of the celebrated Russian Artist, Verestchagin. The Exhibition was opened on Saturday, December 17th, when Mr. Verestchagin gave a reception, which was attended by a large number of the *elite* of the City.

An application to rent some of the rooms has also been granted to the Liverpool Amateur Photographic Association, for an International Exhibition of Photography and Photographic Appliances, to be held from the 3rd to the 17th March.

The Committee have also granted the Association the free use of the rooms for the purpose of a *Conversazione* to inaugurate the Exhibition.

LIST OF WORKS ADDED TO THE PERMANENT COLLECTION.

Donations—

OIL PAINTINGS :

“Shooting Party in the Highlands—Halting for Lunch,” by Richard Ansdell, R.A.; presented by O. Omerod Walker, Esq., and Capt. Edgar J. Garston, R.A.

"Samson," by Solomon J. Solomon; presented as a Jubilee Gift by James Harrison, Esq.

ENGRAVING, &c. :

"Lady Godiva" (signed proof), after Van Lierius.

The Pediment of St. George's Hall, designed by C. R. Cockerell, R.A.; presented by Mrs. Frederick Cockerell, per Jos. Boulton, Esq., F.R.S.B.A.

SCULPTURE :

Plaster Bust of the late Canon Hume, LL.D., D.C.L., by E. E. Geffowski; presented by the Rev. J. Mansell.

Marble Bust of the late John Foster, Surveyor to the Corporation, by William Spence; presented by William Oulton, Esq., J.P.

Marble Group, illustrating the Parable of the wise and foolish Virgins, by Rinaldi; bequeathed by the late Daniel Busby.

Purchases—

The Pediment of St. George's Hall (Lithograph), designed by C. R. Cockerell, R.A.

"The Accusation" (Water Colour), by Jas. Shaw Crompton; purchased from the Spring Exhibition of the Liverpool Society of Water Colour Painters.

The following works were purchased from the 17th Autumn Exhibition of Pictures:—

OIL PAINTINGS :

"An Encore Too Many," by Francis Barraud.

"Pelagia and Philammon," by Arthur Hacker.

"The Bow-Net," by T. F. Goodall,

“The White Lady of Nuremberg,” by Wyke Bayliss, R.B.A.

“Peonies,” by C. E. Perugini.

TERRA-COTTA BUSTS :

“The Good Husband” and “The Happy Wife,” by Miss Mary Redmond.

AUTUMN EXHIBITION OF PICTURES.

	1887.				1886.			
		£	s.	d.		£	s.	d.
Number of Pictures and other Works of Art Exhibited.....	1,279				1,279			
Number of Pictures sold	181				224			
Amount realized by sales		4,791	19	0		8,576	18	0
Season Tickets sold	1,256	216	4	0	1,831	302	10	6
Admissions at One Shilling.....	17,775	888	15	0	22,941	1,147	1	0
„ Sixpence	15,597	389	18	6	15,908	397	14	0
„ Threepence	20,800	260	0	0	26,703	333	15	9
Catalogues sold	16,214	371	2	3	18,628	434	9	0
Commission on sales		185	3	9		336	13	9
Miscellaneous Receipts		18	11	0		36	19	7
Total Receipts, exclusive of sales ..		2,329	14	6		2,989	3	7

The following table will be read with interest :—

TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 17 YEARS, FROM 1871 TO 1887.

Year.	ADMISSIONS.				Season Tickets.		Catalogues Sold.		Commission on Pictures Sold.		Miscellaneous Receipts.		Total Receipts.		Pictures Sold.	
	One Shilling		Sixpence.		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
	£	s.	£	s.												
1871	720	16	0	...	62	2	0	165	10	0	320	18	6	1,523	5	4
1872	601	5	0	175	9	6	6	168	0	6	312	6	0	1,368	8	3
1873	665	18	0	...	96	8	6	199	17	6	371	17	0	1,566	1	3
1874	854	16	0	...	151	16	6	247	0	6	479	0	3	1,976	13	6
1875	972	13	0	77	17	6	0	279	14	3	617	3	0	2,406	17	11
1876	1,118	0	0	86	9	6	0	301	12	0	440	15	3	2,409	15	10
1877	1,928	12	0	...	443	14	0	454	10	1	537	11	2	3,801	14	8
1878	1,964	17	0	330	9	6	6	562	8	6	237	13	0	4,189	7	10
1879	1,516	12	0	212	1	6	6	504	9	3	394	16	0	3,550	15	0
1880	1,449	11	0	274	4	6	6	509	7	3	544	3	3	3,727	19	1
1881	1,434	15	0	289	4	6	6	468	19	9	523	7	6	3,583	14	9
1882	1,430	3	0	299	3	6	6	472	14	6	362	8	9	3,396	8	8
1883	1,302	1	0	273	8	0	6	434	15	9	403	13	0	3,132	5	4
1884	1,966	12	0	535	0	6	6	599	13	3	432	6	3	4,790	1	2
1885	1,317	9	0	366	9	0	6	481	7	9	353	17	0	3,409	2	1
1886	1,147	1	0	397	14	0	6	434	9	0	336	13	9	2,989	3	7
1887	888	15	0	389	18	6	6	371	2	3	185	3	9	2,329	14	6
Total	21,279	16	0	3,707	10	0	0	6,655	12	1	6,823	13	5	50,151	8	9
					5,842	1	6								4,503	

Out of 4,503 Pictures Sold during the last 17 years the Corporation of Liverpool Purchased 66 for their Permanent Gallery, the catalogue prices of which amounted to £23,968 10s.

APPENDIX.

REPORT OF THE DISTRICT LIBRARIES AND READING ROOMS SUB-COMMITTEE.

In accordance with the following resolution of the Library, Museum, and Arts Committee of the 2nd December, 1886,

“That a Sub-Committee consisting of six members to be designated the District Libraries and Reading Rooms Sub-Committee, be appointed to direct and superintend all matters connected with the management of the North and South Lending Libraries, or any other branch libraries and reading rooms that may hereafter be established in connexion with the Central or Reference Library, and that with the object of bringing the district libraries more into harmony with the Central Library, the Sub-Committee report to this Committee whether the district libraries are now capable, or could be rendered so by structural alterations, of being utilized in the two-fold capacity of reading rooms and circulating libraries, and generally as to any improvement the Sub-Committee may deem desirable, in order to maintain the present efficiency or future development of the district libraries.”

The Chairman of the Sub-Committee—Mr. Hall, Mr. Lunt, and the Librarian, have visited the Evening Reading Rooms and the Lending Libraries, and in regard to the latter have given special attention as to what structural alterations would be required to establish Public Reading Rooms in connexion with them, open both day and evening; and the notes made during this visit, with various suggestions, are embodied in the following report.

The great popularity of the Reading Rooms of the Central Library, and the success which has attended the recent establishment of the five branch evening reading rooms, together with the success which has accompanied the establishment of reading rooms in connexion with the

lending libraries of Manchester, Birmingham, Leeds, and other large towns, give every assurance that similar rooms attached to the North and South Lending Libraries of this city would be attended with equal popularity and success. Since the opening of the Central Reference Library, the growth of the city on the North, South, and East, has been immense, yet so far, no branch reading rooms, other than the somewhat inconvenient schoolrooms for the perusal of newspapers and periodicals from 6 to 9-30 p.m., have been established in the midst of these densely populated districts.

The North Library, situated in Great Nelson Street, is a long narrow room, 75 feet by 17. The front portion (coloured red on plan), 35 feet in length, is used as a reception room for readers coming to exchange their library books. The back portion (coloured yellow on plan), with gallery and small adjoining room, are used for the storage of library books. It has been thought that by removing the projecting wing book-cases on the ground floor, and withdrawing entirely from the library some ten thousand volumes, equal to the number of volumes now stored on the ground floor in that part of the library coloured yellow on plan already referred to, this space, 39 feet by 17, might be used for a reading room. This would obviously be a small room for the purpose desired; and whether the gain of such a room by the sacrifice of so many volumes, and the increased difficulty of working the library, which would follow from having nearly all the books stored on the gallery, is a matter for serious consideration.

With regard to the South Library in Upper Parliament Street, there is little or no doubt either as to what is best to be done or how it is to be carried out. This library being situated at a much greater distance from the Central Library than the North Branch, may be said on this account to deserve priority of consideration in the establishment of a public reading room. As this distance, particularly in the winter time, must do much to prevent readers residing in this locality from visiting the Central Library, a reading room here would, it is thought, do much to satisfy and promote a taste for reading and study, and if made cheerful and comfortable, prove a valuable counter-attraction to places of a less worthy character.

The South Library premises are held by the Committee under a lease from the Corporation, of which there are some thirty years to run. Their

position is exceedingly well adapted for a library and reading room, being open and conspicuous, and close upon a great public thoroughfare, while, at the same time, lying so as to be free from the noise and disturbance of vehicular traffic. The Library is in close proximity to the Wards of North and South Toxteth, Pitt Street, and Rodney Street, which, with the Ward of Gt. George in which the Library is situated, are estimated to contain a population of 155,687. The premises consist of two dwelling houses, not absolutely old, but far from being new. The alterations necessary in the first instance to make them suitable and convenient for the present Library, have done much to weaken them, consequently any further structural alterations can hardly be deemed judicious, even if they were capable of providing a reading room of sufficient size, and with the requirements necessary to make it a success. But this is not the case. After a careful examination of the premises by the Corporation Surveyor, it has been considered the best and cheapest course to pull them down and build a new Library and Reading Room, consisting of one storey with basement, on the plan prepared by the Surveyor and the Librarian. This plan, while providing for the full requirements of the Library, also provides a Public Reading Room capable of seating a hundred persons at tables, and accommodating some forty to fifty more standing at newspaper desks.

The cost of this new building and fittings is estimated at a sum not exceeding £2,500, with an addition of £150 for furniture.

The annual average charge of this Library during the past five years has been £760, without deducting the receipts for fines, catalogues, readers' tickets, &c., which have averaged £160 during the same period.

The proposed New Library and Reading Room will cost not less than £170 a year more for magazines, newspapers, extra gas, extra cleaning, allowance to Librarian for loss of house, &c, and some extra assistance during the evenings.

By the above arrangement the city will gain two reading rooms for books as well as periodicals and newspapers, open both day and evening, in situations where they are greatly needed and would be much appreciated, at a cost of about £308 10s. per annum, whereas two additional evening reading rooms (similar to those the Committee have opened in schoolrooms

for the perusal only of periodicals and newspapers) would cost about £110 a year each, or a total of £220. The superior advantages and comparative cheapness of the Library Reading Rooms are apparent.

If success attends the New South Library and Reading Room, and of this there can be no reasonable doubt, then the establishment of an East Library and Reading Room ought to follow at the earliest possible opportunity. The site might either be in Low Hill, Hall Lane, or in some good public thoroughfare a little further southward. It is a mistake no less injurious to the success and popularity of a library and reading room, than it is to many other places of business and public institutions, to erect or open it where it cannot make itself well known, or in common phrase, advertise itself.

After this the North Library ought certainly to be dealt with by the erection of a New Library and Spacious Reading Room, on a site further North than the present Library, and somewhere say in Scotland Road, near to where it joins Stanley Road.

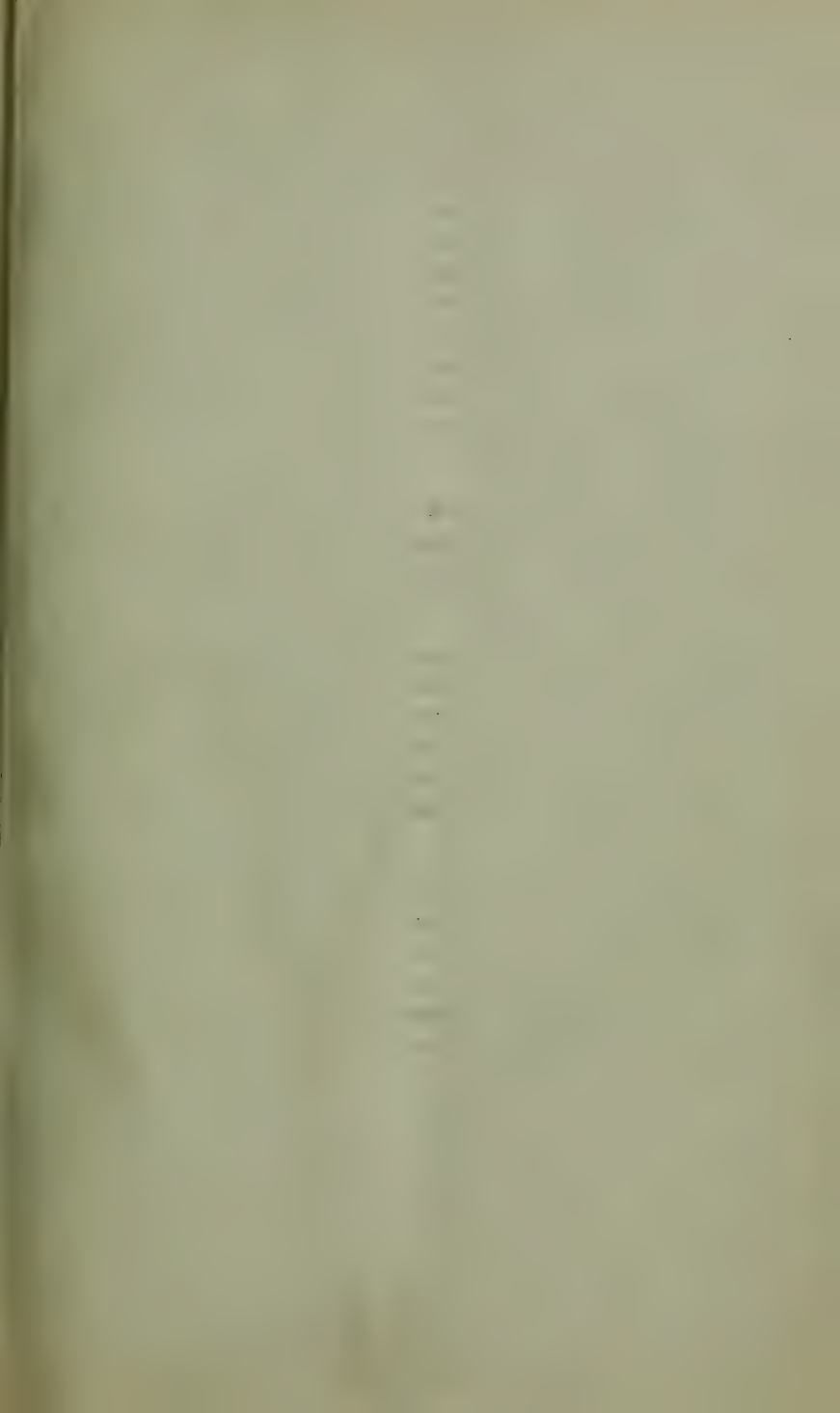
Three branch libraries, with reading rooms attached, more or less on the plan of the proposed New South Library and the eight branches which Manchester has obtained so deserved a reputation for having established, supplemented by the five school evening reading rooms, would do much towards satisfying the reading wants of the many inhabitants of the city who are compelled to live at a considerable distance from the reading rooms of the Central Library.

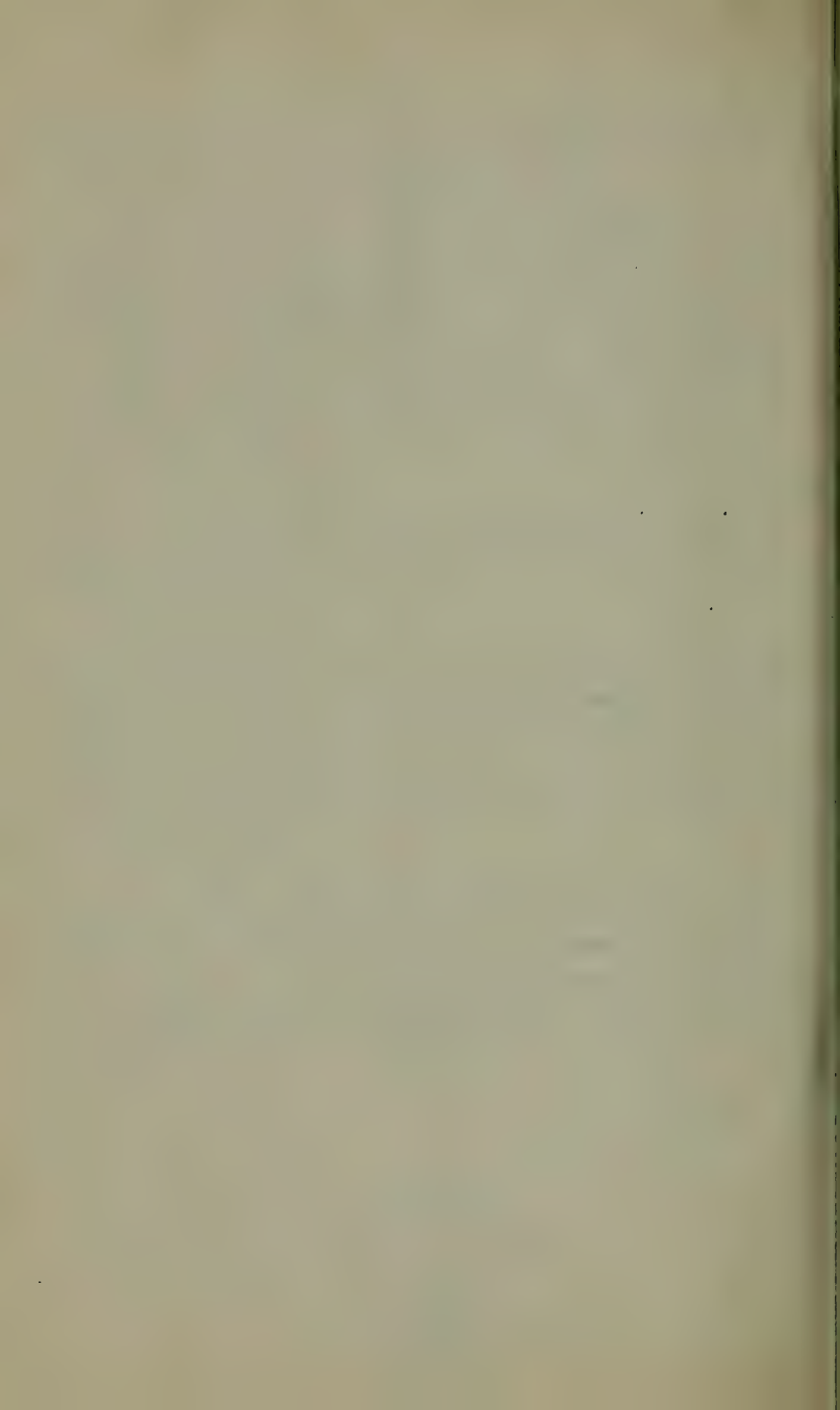
How the necessary funds for the erection and maintenance of these branches are to be provided may not be easy of solution in the Committee's present financial position, but no doubt they will give the subject full and due consideration, as it is felt by many persons that some development of the library system in the direction of additional lending libraries and reading rooms, particularly in the neighbourhoods indicated, is urgently required.

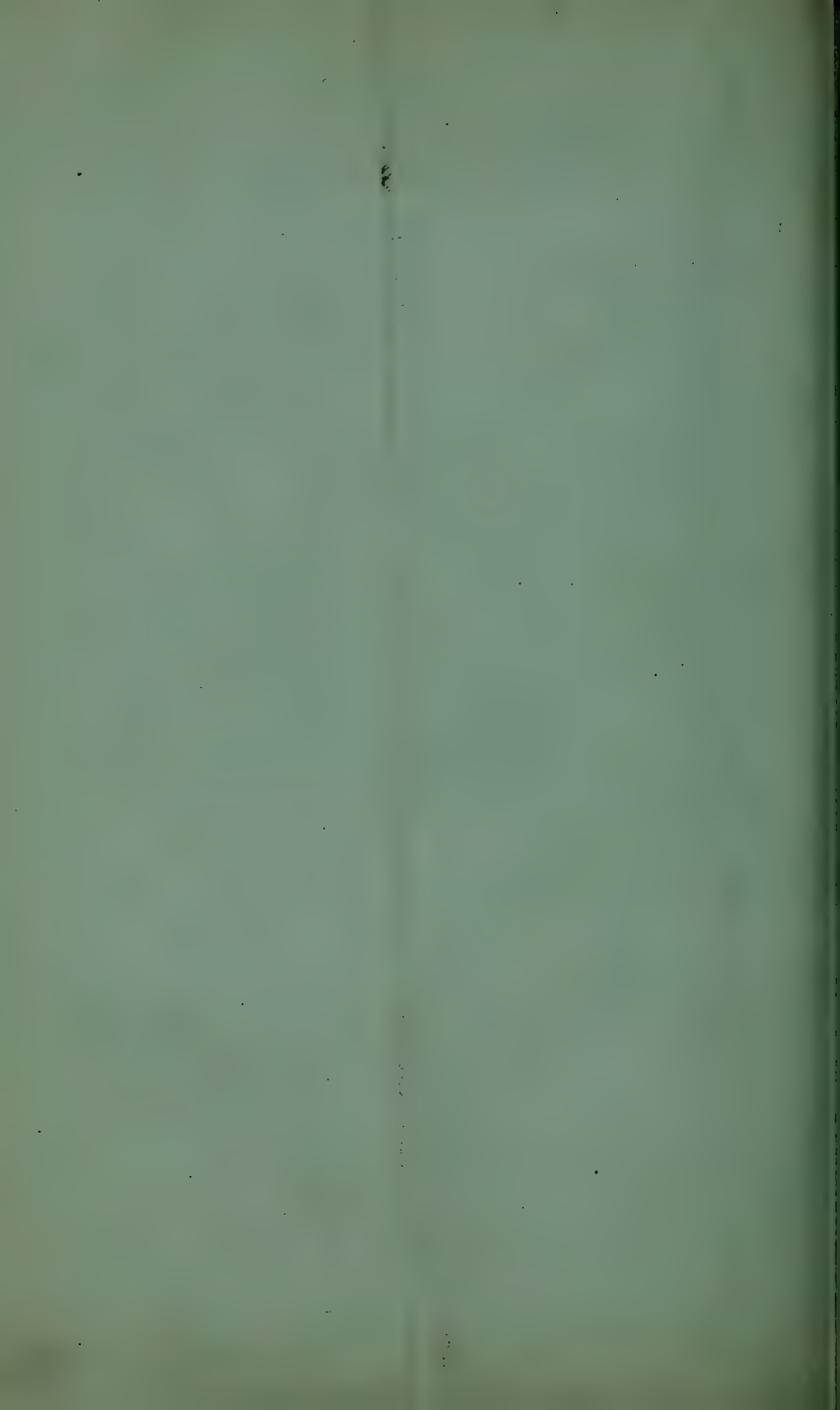
T. B. HALL,
CHAIRMAN.

PRESENTED





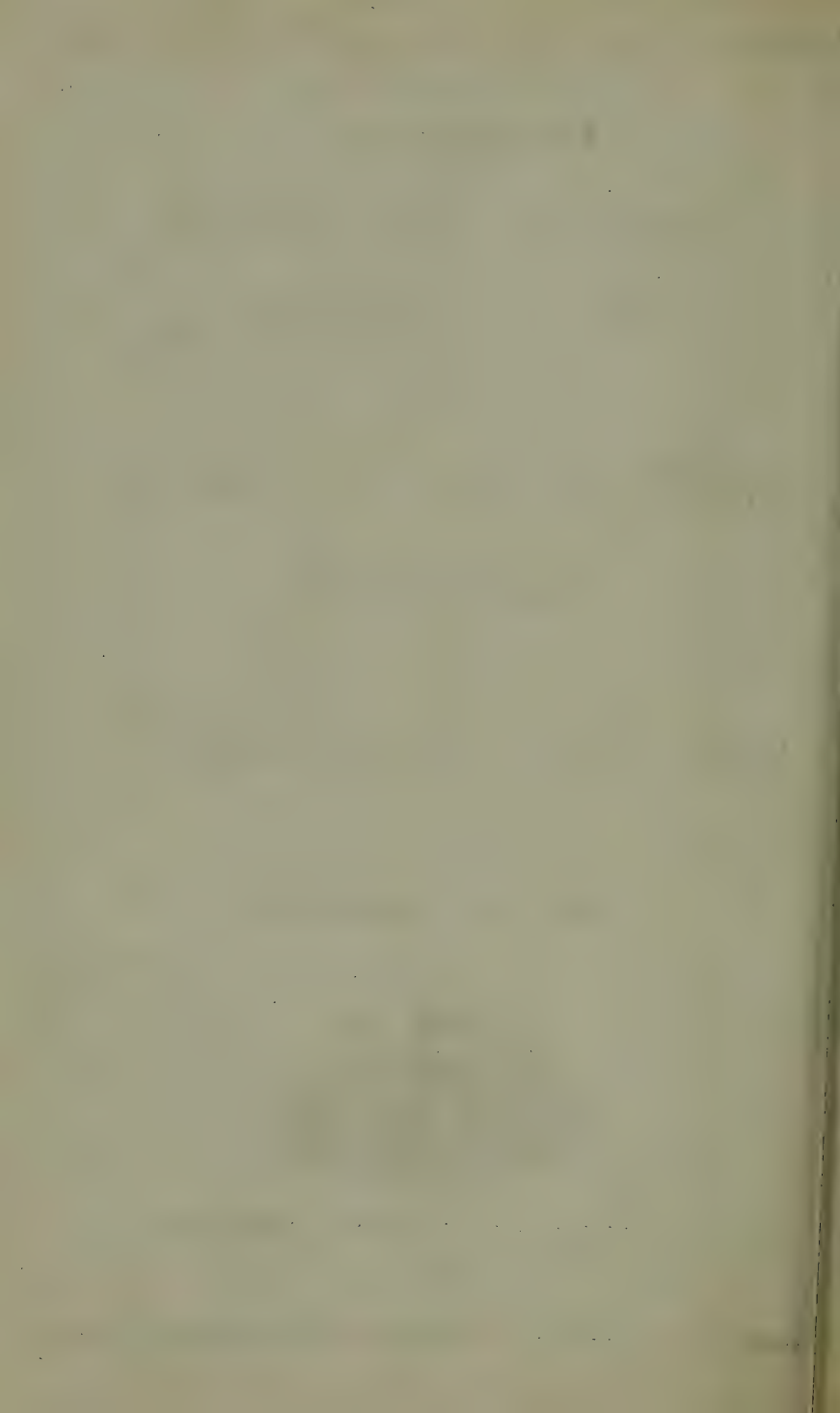




THIRTY-SIXTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY,
OF THE
CITY OF LIVERPOOL.



LIVERPOOL:
J. R. WILLIAMS & CO., PRINTERS, 8, SCHOOL LANE.
1889.



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COMMITTEE AND OFFICERS

FOR THE YEARS 1888-89.



Committee:

SIR JAMES ALLANSON PICTON, F.S.A., CHAIRMAN.

ALDERMAN EDWARD SAMUELSON, DEPUTY-CHAIRMAN.

EDWARD HATTON COOKSON, MAYOR.

GEORGE H. BALL,

WILLIAM BENNETT,

ANTHONY BOWER,

WILLIAM B. BOWRING,

LIEUT.-COL. A. H. BROWN, M.P.,

ANDREW COMMINS, LL.D., M.P.,

JOHN DAVIES,

THOMAS B. HALL,

ROBERT HAMILTON,

REV. H. H. HIGGINS, M.A.,

THOMAS HOLDER,

ROBERT D. HOLT,

WILLIAM J. LUNT,

THOMAS W. OAKSHOTT,

PHILIP H. RATHBONE,

ALDERMAN SIR A. B. WALKER, BART.

Chief Librarian:

PETER COWELL.

Sub-Librarian:

THOMAS FORMBY.

Curator of the Museum:

THOMAS J. MOORE.

Conchologist, Mineralogist, &c.:

F. P. MARRAT.

Curator of the Walker Art Gallery:

CHARLES DYALL.

REPORT.

A few general remarks on the action of the several departments may form a fitting introduction to the statistical information appended.

REFERENCE LIBRARY.

This, which may be considered the nucleus and centre of the institution, pursues the even tenor of its way with little vicissitude. To whatever cause it may be owing, the issues have fallen off about 15 per cent. during the year. This is principally manifest in the department of prose fiction, where the volumes read have diminished from 882 per day to 698, or 20 per cent. This undoubtedly indicates a greater proportionate demand for a higher class of literature. Even on the reduced scale the circulation of more than 10,000 volumes per week of wholesome literature, much of it of a high class, diffusing its influence through every stratum of society, cannot but have a very favourable influence both morally and intellectually.

During the year, 113 volumes worn out have not been replaced, after allowing for which an addition has been made of 2,108 volumes, making the number now on the shelves 93,183.

The increase in the contents of the library is pressing upon the available space, and before very long some additional provision will have to be made.

The late Alderman Bennett turned his attention during many years to the collection of drawings illustrative of the topography and progress of the City, specially with reference to the street architecture, a large part of which has been swept away by progressive improvements. Since his decease these collections were offered by auction and have been secured for the Library. The number of drawings is 943, which have been obtained at the price of £450.

LENDING LIBRARIES.

These have during many years been worked up to the extent of their capacity so that any serious increase in the issues is not to be looked for. It will be seen, however, from an inspection of the figures that there has been an extension of the issues during the last year from 405,271 to 427,532 volumes.

One very gratifying circumstance connected with these libraries is the very small percentage of books lost or unaccounted for. Out of issues

during the last two years of nearly a million volumes, only 9 are lost or missing. This speaks well both for the honesty of the readers and the efficiency of the working staff.

In the last report an account was given of the proceedings of the sub-committee appointed to consider the question of the extension of Lending Libraries to the north and east districts of the city, and a Report on the subject was appended. It was subsequently found desirable to modify the conclusions then arrived at, and ultimately it was decided to request the Council to appropriate a plot of land at Kensington Fields fronting the high road, for the erection of a Lending Library and Reading Room. This report was adopted by the Council, who further agreed to erect the building at a cost of about £3,000, the rent calculated on this basis to be paid out of the Library Fund. This will be a valuable boon to the increasing population of an important district.

The existing reading rooms continue to be popular, the attendance in each of them having increased, amounting in the whole to 114,777, as against 106,264 in the previous year.

MUSEUM.

The visitors have increased during the year, from 255,616 to 291,754.

Since the 1st October last the Museum has been thrown open to the public on Monday evenings from 7 to 10.

Some years since a similar attempt was made, but owing to the disorderly conduct of some of the visitors, it had to be abandoned. It is gratifying to find that at present the utmost order and propriety prevail, indicating an advance and improvement in the popular feeling.

In connection with this movement addresses or short lectures have been given illustrative of the collections by voluntary lecturers, which have been highly appreciated. A list of these will be found below.

MAYER MUSEUM.

Not many additions have been made during the year, but those which have been acquired are of high interest. The attention of the curator has been principally directed to classifying, cataloguing, and labelling the collections, so as to render them more intelligible and available to the visitors.

SIGNED ON BEHALF OF THE COMMITTEE,

J. A. PICTON, Kt.,

CHAIRMAN.

REFERENCE LIBRARY.

TABLE I.—Showing the Books issued during the year :—

Classification.	Volumes.	Daily Average.
Theology, Morals, &c.	17,509	64
Natural Philosophy, Astronomy, &c.	17,357	63
Natural History	7,960	29
Science and the Arts	27,116	99
History and Biography	23,125	85
Topography and Antiquities	7,323	27
Voyages and Travels	11,638	43
Miscellaneous Literature (principally collected Works, Essays, Reviews, Societies' Proceedings, &c., in volumes)	148,264	544
Jurisprudence, Law, and Politics... ..	5,468	20
Commerce, Political Economy, and Statistics	4,528	17
Education and Language	6,937	25
Poetry and Dramatic Literature	12,199	45
Prose Fiction	190,411	698
Latin and Greek Classics and Translations	3,194	12
Encyclopædias, and Works of General Reference	19,269	71
Patents for Inventions	24,048	88
Total	526,346	1,930

TABLE II.—Showing the number and classification of works added during the year :—

Classification.	Volumes added.	Total Number in the Library.
Theology, Morals, &c.	99	7,047
Natural Philosophy, Astronomy, &c.	51	2,235
Natural History	139	5,085
Science and the Arts	223	10,801
History and Biography	282	11,956
Topography and Antiquities	145	4,951
Voyages and Travels	99	5,052
Miscellaneous Literature (principally collected Works, Essays, Reviews, Societies' Proceedings, &c., in Volumes)	627	22,103
Jurisprudence, Law, and Politics	160	7,607
Commerce, Political Economy, &c.	64	1,395
Education, and Language	33	1,506
Poetry and Dramatic Literature	86	3,849
Prose Fiction	1	5,614
Latin and Greek Classics and Translations	13	870
Heraldry, Encyclopædias, and Works of Reference	86	3,112
Total	2,108	*93,183

* After deducting 113 Volumes worn out and not replaced

The following Periodicals, Newspapers, &c., have been presented regularly by the respective Publishers:—

Agriculture	Light
Amateur Photographer	Literary News
Association News	Literary Society
American Settler	Liverpool Catholic Times
Anglo-American Times	Liverpool Courier (daily and weekly)
Birmingham and Sheffield Hardware Circular	Liverpool Echo
Bootle Times	Liverpool Express
Brewers' Guardian	Liverpool Halfpenny Weekly
British and Colonial Printer and Stationer	Liverpool Journal of Commerce
British Temperance Advocate	Liverpool Mercury (daily and weekly)
Builders' Weekly Reporter	Liverpool Porcupine
Cambridge Examiner	Liverpool Post (daily and weekly)
Cape Argus	Liverpool Programme
Church of England Temperance Chronicle	Liverpool Review
Church Missionary Gleaner	Liverpool University Magazine
Church Missionary Intelligencer	Machinery Market
Church Missionary Juvenile Instructor	Medium
Citizen	Miller
Civil Service Times	Mona's Herald
Colonies	Musical Society
Day of Days	Money
Ecclesiastical Observer	New Church Magazine
Electrical Review	Oddfellows' Magazine
Electrician	Oxford Chronicle
Englishwoman's Review	Personal Rights' Journal
Financial Reformer	Pitman's Musical Monthly
Fireside	Porcupine
Fireside News	Present Truth
Good Health	Preston Herald
Hand and Heart	Railway Review
Herald of Health	Recreation
Home Words	Research
Homœopathic World	Rhyl Journal
In His Name	Richmond and Twickenham Times
Invention	Sale and Exchange
Irish Times.	Script Phonographic Journal
Iron and Coal Trades Review	Shipping World
Jewish World	Signs of the Times
Journal of Speculative Philosophy	Sloan-Duployan Phonographic Journal
Journal of the Clerk of Works' Association	Sunday Times
Journal of the Statistical Society	Tonic Sol-fa Reporter
Leeds Times	Vaccination Inquirer
Liberal Unionist	Vegetarian Messenger
	Western Daily Press
	Woman's Suffrage Journal
	Worcestershire Herald
	Zoophilist

The following is a list of the Newspapers provided for use in the Newsroom:—

Baner ac Amserau Cymru	Glasgow Herald
Belfast News-Letter	Irish Times
Birmingham Daily Gazette	Leeds Mercury
Birmingham Daily Post	Liverpool Courier (6 copies)
Carnarvon and Denbigh Herald	Liverpool Daily Post (6 copies)
Freeman's Journal (2 copies)	Liverpool Journal of Commerce

Liverpool Programme
 London Daily News (2 copies)
 London Morning Post
 London Standard (2 copies)
 London Telegraph (2 copies)
 London Times (2 copies)
 Manchester Courier

Manchester Guardian
 New York Herald
 Pall Mall Gazette
 Scotsman
 Western Daily Press
 Yorkshire Post
 Liverpool Mercury (6 copies)

DONATIONS.

The following Donations have been received during the year :—

- ABERDEEN PUBLIC LIBRARY** :—Supplementary Author-list, 1886-8.
- ANDREW, SAMUEL**, (the Author) :—The seven Holy Crosses of Oldham.
- ANONYMOUSLY** :—The Synod of Streonshahl, or Council of Whitby, by R. T. Manson ; The necessity of a sanitary reform in Infant Rearing : why and how it should be effected, by Francis E. Clotten, (3 copies).
- ASKIN, W.** :—The Docks and Trade of London and Liverpool, (4 copies).
- BAKER, MISS** :—The History of Rome : from the building of Rome to the ruin of the Commonwealth, by N. Hooke, 2 vols.
- BANKS AND SON, Messrs.** (the Publishers) :—Israel's Hope and Destiny, vol. 8.
- BARBADOS, Colonial Secretary for** :—Barbados Blue Book, 1882, 1884, 1885, and 1887.
- BARTLETT, WILLIAM** :—The Leasehold Estate of the Corporation of Liverpool, (2 copies).
- BELL AND SONS, Messrs.** (the Publishers) :—Goethe's Faust ; translated by Anna Swanwick, part 1.
- BERGEN MUSEUM, NORWAY** :—Bergen's Museum Aarsberetning, 1886.
- BICKERTON, T. H.**, (the Author) :—Colour Blindness, (2 pamphlets).
- BIRKENHEAD LITERARY AND SCIENTIFIC SOCIETY** :—Report, 1887-8.
- BOOTLE-CUM-LINACRE FREE LIBRARY** :—Catalogue.
- BOSTON CITY AUDITOR** :—Report, 1887-8.
- BOSTON PUBLIC LIBRARY** :—Bulletin, 1888.
- BOULT, JOSEPH** :—The Enquirer ; or, Philosophical and Mathematical Repository, by W. Marrat, No. 2.
- BRADFORD FREE PUBLIC LIBRARIES** :—Supplementary Catalogue of the Central Lending Library.
- BRADLEE, CALEB D.**, (the Author) :—Jesus Christ eternally alive.
- BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE** :—Report, 1887 ; Handbook to Bath.
- BRITISH MUSEUM TRUSTEES** :—Catalogue of Printed Books, 20 vols. ; Catalogue of Birds, by Philip L. Selater, vol. 14 ; Catalogue of Gems ; Catalogue of Greek Coins, by Barclay V. Head ; Catalogue of Persian Coins : Shahs of Persia, by R. S. Poole ; Catalogue of Seals, by W. de G. Birch, vol. 1 ; Catalogue of Reptilia and Amphibia, by Richard Lydekker, vol. 1 ; Catalogue of Turkish MSS., by Charles Rieu.
- BROOKLYN FREE LIBRARY, U.S.A.** :—Bulletin, No. 25.
- BROWN, T. B.**, (the Publisher) :—Advertiser's A.B.C. of Official Scales, and Advertising Press Directory, 1888.
- BRYDGES, GUILLERMO K.**, (Consul of the Argentine Republic) :—Message of the President of the Republic on opening the Session of the Argentine Congress, May, 1888, (12 copies).
- BURMA COLONIAL GOVERNMENT**, (per F. Dresser, Esq.) :—Report of the Administration of Lower Burma, 1886-7.
- CAMBRIDGE UNIVERSITY, THE SYNDICATE** :—Cambridge Local Lectures : Report on a Conference in the Senate House, Cambridge, on the Affiliation of Local Centres of the University, and other matters, March 9, 1887 ; 15th Annual Report ; Regulations for the Promotion of Home Study ; Oxford University Extension : Home Reading Circles ; Higher Local Examinations : Report, 1888.
- CANADA, DEPARTMENT OF THE INTERIOR** :—Geological and Natural History Survey of Canada, Report, 1886 ; List of Publications.
- CASTELLAIN, ALFRED, J.P.** :—Journal of the Royal Agricultural Society, 2nd ser., vol. 23, pt. 2, and vol. 24, pt. 1.
- CHALMERS, PATRICK**, (the Author) :—The Adhesive Postage Stamp in America, France, and Germany.
- CHESTER SOCIETY OF NATURAL SCIENCE** :—17th Annual Report.
- CHICAGO BOARD OF TRADE** :—13th Annual Report of the Trade and Commerce of Chicago, 1887.
- CINCINNATI PUBLIC LIBRARY** :—Bulletin of Books, 1887.
- CLARK, W.** :—Hindustani Manual, by Duncan Forbes ; Russian Language, by F. Alexandrow.

- COBDEN CLUB** :—Fair Trade and Agriculture, by the Rt. Hon. Sir Lyon Playfair, K.C.B., M.P. (12 copies); Industrial Competition and Commercial Freedom, by the Rt. Hon. Sir Lyon Playfair, K.C.B., M.P. (12 copies); Local Administration in the United States and in the United Kingdom, F. C. Montague (12 copies); Sugar Bounties, by Sir Thomas H. Ferrer, Bart. (12 copies); The British Farmer and his Competitors, by William E. Bear (4 copies); The Carribean Confederation, by C. S. Salmon; The Public Education in Austria, by J. Russell Endean.
- COLES, ABRAHAM, M.D., LL.D., (the Author)** :—A new rendering of the Hebrew Psalms into English verse.
- COLUMBIA COLLEGE LIBRARY, NEW YORK** :—Annual Oration: American University, by Prof. Charles S. Smith, A.M.
- COOKE, BANCROFT, (the Author)** :—Individualism.
- COOPER UNION FOR THE ADVANCEMENT OF SCIENCE AND ART, NEW YORK** :—Report, 1888.
- CORNELL UNIVERSITY LIBRARY, NEW YORK** :—Bulletin, 1888.
- COSTA RICA NATIONAL MUSEUM** :—Anales del Museo Nacional República de Costa Rica, 1887.
- CURTIS AND HARVEY, MESSRS., (the Publishers)** :—Notes on Shooting.
- DAVIS, ROBERT C.** :—Liverpool Associates' Annual, 1887.
- DUBLIN UNIVERSITY** :—Calendar, 1888; Examination Papers, 1887.
- DURIHAM UNIVERSITY** :—Calendar, 1888.
- EDWARDS, FREDERICK W., (the Author)** :—Industrial Education (2 copies).
- ELLIS, JOHN W., L.R.C.P., (the Author)** :—Coleoptera of the Liverpool District, pts. 11-13; Fifty years of Economic Botany; Lepidopterous Fauna of Lancashire and Cheshire, pts. 5-6.
- ENGLISH DIALECT SOCIETY LIBRARY** :—Catalogue, 1880, (2 copies).
- ENOCH PRATT LIBRARY, BALTIMORE, U.S.A.** :—Finding List, 1887-8.
- ENTWISTLE, PETER** :—Narrative of the Massacre of the crew of the Ship "Boyd," at New Zealand, by Cannibals.
- EVANS, GEORGE E., (the Compiler)** :—A History of Renshaw Street Chapel.
- FINANCIAL REFORM ASSOCIATION** :—Almanack, 1888.
- FISK, FRANCIS** :—Skyring's Builders' Price Book, 1888; Adcock's Engineer's Pocket-Book, 1888.
- FRYER, ALFRED C., (the Author)** :—Toots: the autobiography of a Persian Cat. (2 copies).
- FREEMAN, HENRY, (the Author)** :—Writing Simplified.
- FURNIVALL, PERCY, (the Author)** :—Physical Training for High Speed Competitions (2 copies).
- GLASGOW AND WEST OF SCOTLAND TECHNICAL COLLEGE** :—Calendar, 1887-8, 1888-9.
- GLASGOW, STIRLING'S LIBRARY** :—Catalogue.
- GOODCHILD, J. E., (the Author), per JOSEPH BOULT, ESQ.** :—Study of the Halicarnassian Marbles in the British Museum, with reference to the Restorations of the Tomb of Mausolus, by the late Prof. C. R. Cockerell.
- GRAY'S INN, HONOURABLE SOCIETY OF** :—Library Catalogue, 1888.
- GREENWOOD, W. N., (the Author)** :—Kludonometric Tide Table for the Lancashire Coast and Bristol Channel, 1889.
- GREY, HENRY, (the Author)** :—Resting without Rusting in the North of Europe and Egypt; The Plots of some of the most famous Old English Plays.
- GRIFFITH, MORRIS, (the Author)** :—Who were the Inventors of Telegraphs?
- GRIMALDI, REV. ALEXANDER B., (the Author)** :—A Catalogue of Printed Books, Pamphlets, &c., composed, edited, or translated by writers bearing the name of Grimaldi; Britain's Inheritance, 2 pts.; Miscellaneous Writings from Printed and Manuscript Sources.
- GUILLAUME, H., F.R.G.S., CONSUL GENERAL FOR PERU (the Author)** :—The Amazon Provinces of Peru as a field for Emigration.
- HALES, JOSEPH : SECRETARY, LIVERPOOL Y.M.C.A.** :—The Rise and Progress of Ships and Steamships, including the Trade of Liverpool, by William Blood.
- HARRILD & SONS, MESSRS., (the Publishers)** :—Abridged Specimens of Wood-Letter; Catalogue of Printing Machinery; Selected Specimens of Modern Printing Types; Stereo-Foundries.
- HARVARD COLLEGE, CAMBRIDGE, MASS., U.S.A.** :—Bibliographical Contributions, ed. by Justin Winsor, No. 26-32; Bulletin of the Museum of Comparative Zoölogy, vol. 13, No. 6; University Bulletin, Nos. 40-41.
- HEYES, J. F., (the Author)** :—On the Tetravalency of Oxygen; On Valency, Validity, and Residual Affinity.
- HIGGIN, GEORGE, (the Author)** :—Commercial and Industrial Spain.
- HISTORIC SOCIETY OF LANCASHIRE AND CHESHIRE** :—Transactions, vols. 36-37.
- HORE, REV. A. H., M.A., (the Author)** :—The Church in England from William III. to Victoria, 2 vols.
- HOWARD ASSOCIATION** :—Social Wreck-

age, by Francis Peek.
HURST, THOMAS :—*Cornish's Stranger's Guide* through Liverpool, 5th ed.

INDIA, RT. HON. THE SECRETARY OF STATE FOR :—*Report on India Office Records*, by Fred. C. Danvers, vol. 1.

INSTITUTION OF CIVIL ENGINEERS :—*Minutes of Proceedings*, vol. 91-94s.

INSTITUTION OF MECHANICAL ENGINEERS :—*Proceedings*, 1887 and 1888, pts. 1-3.

INTERNATIONAL SHORTHAND CONGRESS :—*Transactions*, 1887.

IRISH LOYAL AND PATRIOTIC UNION :—*Albion and Ierne*; *Boycotting*, by T. W. Rolleston, (6 copies); *Mr. Gladstone: a Study*, by Louis J. Jennings, M.P.; *Plan of Campaign* illustrated, (6 copies); *Publications*, 1887; *Sales of Tenants' Interest in Ireland*, (6 copies); *Scotland, Ulster, and Home Rule for Ireland*, (3 copies); *The Truth about Home Rule*, ed. by Sir George Baden-Powell, "United Ireland" on Spencer, Trevelyan, and Gladstone, (2 copies).

JOHNSON, ROSSITER, (the Author) :—*A short History of the War of Secession*, 1861-65.

JONES, R. A., (the Author) :—*The Land Question and a Land Bill*, with special reference to Wales.

KIRKDALE VOLUNTARY INDUSTRIAL DAY (RAGGED) SCHOOL :—*Reports*, 1879-83, 1884-7.

LACH-SZYRMA, REV. W. S., (the Author) :—*The Lessons of the Armada*; *Wales and West Wales*.

LAFONE Y QUEVEDO, SAMUEL A., (the Author), PER GEORGE SALTHOUSE, ESQ. :—*Londres y Catamarca*, 1888.

LAING, SAMUEL, (the Author) :—*A Modern Zoroastrian*; *Modern Science and Modern Thought*.

LANCASHIRE AND CHESHIRE ENTOMOLOGICAL SOCIETY :—*11th Annual Report*.

LAWTON, JOSEPH, (the Author) :—*The Emperor Frederick III. and the Crown Prince*.

LAYTON, Messrs. C. & E., (the Publishers) :—*The Insurance Register*, by William White, 1888.

LEY, MRS. :—*Scripture Studies*, by W. H. Ley, (3 copies).

LIBRARY REPORTS FROM THE FOLLOWING LIBRARIES :—Aberdeen; Aston, Manor of; Baltimore; Peabody Institute; Battersea; Birkenhead; Birmingham; Bolton; Bootle-cum-Linacre; Boston, U.S.A.; Bradford; Burlington; Fletcher Library, U.S.A.; Cambridge; Cardiff; Cheltenham; Chester; Chicago; Newberry Library, U.S.A.; Chicago, U.S.A.; Clitheroe; Columbia College, New York; Cincinnati, U.S.A.; Derby; Devon and Exeter; Doncaster; Dundee; Ealing; Enoch Pratt Free

Library, Baltimore, U.S.A.; Great Yarmouth; Handsworth; Hanley; Harvard College, Cambridge, Mass., U.S.A.; Hereford; Kidderminster; Leamington; Leeds; Leicester; Manchester; Milwaukee; Mitchell Library, Glasgow; Newcastle-upon-Tyne; Newport (Mon.); Newton, U.S.A.; New York Astor Library; New York Library Association; Northwich; Brunner Free Library; Norwich; Oxford (Bodleian); Philadelphia Friends Free Library; Philadelphia Mercantile Library; Plymouth; Portsmouth; Preston; Richmond; Rochdale; Rotheram; St. Helens; St. Louis; St. Louis Mercantile Library; St. Margaret and St. John, Westminster; Salford; San Francisco Mercantile Library; Sheffield; Smethwick; Stafford; Stirling's and Glasgow; Stratford-upon-Avon; Shakespere Memorial Library; Stockport; Stoke-upon-Trent; South Australia; South Shields; Swansea; Sydney; Tonbridge; Toronto; Twickenham; Victoria; Walsall; Watford; Welshpool; Widnes; Wigan; Wimbledon; Worcester, Mass., U.S.A.

LITART, JOHN, (the Author) :—*Two Fairy Girls and Two Magic Pearls*.

LIVERPOOL ARCHITECTURAL SOCIETY :—*Proceedings*, 1888.

LIVERPOOL ASTRONOMICAL SOCIETY :—*Catalogue of the Library*; *Journal*, vol. 6, and vol. 7, pts. 1-2.

LIVERPOOL ATHENEUM LIBRARY :—*Miscellaneous Reports of Liverpool Institutions*.

LIVERPOOL ENGINEERING SOCIETY :—*Transactions*, vol. 7; *Annual Report*, 1887.

LIVERPOOL GEOLOGICAL SOCIETY :—*Proceedings*, vol. 4, pt. 4.

LIVERPOOL INSTITUTIONS.—*REPORTS HAVE BEEN RECEIVED FROM THE FOLLOWING* :—Amateur Photographic Association; Army Scripture Readers' and Soldiers' Friend Society; Art Club; Auxiliary Bible Society; Blue Coat Hospital; Catholic Reform Association; Church of England Scripture Readers' Society; Horticultural Society; Land and House Owners' Association; Mersey Mission to Seamen; Microscopical Society; Polytechnic Society; Science Students' Association; School Ship "Conway"; Seamen's Friend Society; Society for the Prevention of Cruelty to Children; Town Mission; Training Ship "Indefatigable."

LIVERPOOL (LYCEUM) LIBRARY :—*Annual Supplementary Catalogue*; *Annual Report*, 1888.

LIVERPOOL MEDICAL INSTITUTION :—

- Liverpool Medico-Chirurgical Journal, Nos. 14-15.
- LIVERPOOL MERCANTILE MARINE SERVICE ASSOCIATION:—Reporter, vol. 12.
- LIVERPOOL MERSEY DOCKS AND HARBOUR BOARD:—Accounts, 1871-3, 1875-6, 1883-4, 1886-8; Acts of Parliament relating to the Mersey Docks and Harbour.
- LIVERPOOL NATURALISTS' FIELD CLUB:—Proceedings, 1887.
- LIVERPOOL PHILHARMONIC SOCIETY:—Concert Books, 1879-87.
- LIVERPOOL SCHOOL BOARD:—Proceedings, 1886-7.
- LIVERPOOL UNIVERSITY COLLEGE:—Calendar, 1888-9.
- LOYD, FRANCIS, (the Author):—A scientific view of Mr. Galton's Theories of Heredity; The Deity as seen by positive science.
- LOYD, MISS:—Prussia's Representative Man, by Francis Lloyd and William Newton, F.R.G.S.
- LOCKHART, WILLIAM:—Gore's Liverpool Directory, 1790.
- LOWDERMILK, WILLIAM H., (the Author):—History of Cumberland (Maryland).
- LUNDIE, REV. ROBERT H., M.A., (the Author):—Alexander Balfour: a memoir.
- McMILLAN, ROBERT:—Liverpool Sunday Society: Programme, 1886-8.
- MACMILLAN AND CO., MESSRS., (the Publishers):—Industrial Peace, by L.L.F.R. Price.
- MANCHESTER GEOGRAPHICAL SOCIETY:—Journal, vols. 1-2.
- MANCHESTER GEOLOGICAL SOCIETY:—Transactions, 1887-8.
- MANCHESTER MICROSCOPICAL SOCIETY:—Transactions and Annual Reports, 1883-7.
- MANCHESTER STATISTICAL SOCIETY:—Transactions, 1887-8.
- MANSON, J. W.:—Matter and Energy, by B.L.L. (2 copies).
- MARRAT, F. P.:—Memorials of John Bartram and Humphry Marshall, by William Darlington.
- MARSDEN, PECK, AND CO., MESSRS., (the Publishers):—The British, Colonial, and Foreign Steam Ship Guide, 1888.
- MARSHALL, GEORGE W., LL.D., (the Author):—Miscellanea Marescalliana, vol. 2, pt. 2.
- MATSON, S. A., (the Authoress):—Saint George and the Dragon.
- MILLER AND RICHARD, MESSRS., (the Publishers):—Specimens of Book, Newspaper, Jobbing, and Ornamental Types.
- MINNESOTA, DEPARTMENT OF GEOLOGY:—Geological and Natural History Survey of Minnesota: 15th Annual Report; Bulletins, Nos. 2-4.
- MOLEE, ELIAS, PH.B., (the Author):—Plea for an American Language; or, Germanic-English.
- MORRIS, J. S. C., (the Publishers):—Business Directory of London, 1888.
- NATIONAL ASSOCIATION FOR THE PROMOTION OF TECHNICAL EDUCATION:—First Annual Report; Address by Prof. Huxley; Address by the Earl of Rosebery; and 22 leaflets.
- NEVINS, J. BIRKBECK, M.D. (the Author):—On the sanitary arrangements of the Ancient Hebrew Camp in the Desert, and the Modern Cities of Manchester, Edinburgh, and Liverpool.
- NEW SOUTH WALES, AGENT-GENERAL FOR:—Handbook to the Statistical Register of N.S.W., by A. Coghlan, A.M.; New South Wales: her Commerce and Resources, by G. W. Griffin, (2 copies); New South Wales Year-Book, 1888, (2 copies); Ways and Means: Financial Statement of the Colonial Treasurer of New South Wales, 1887; The Wealth and Progress of New South Wales, 1886-7, by A. Coghlan, A.M.
- NEW YORK APPRENTICES' LIBRARY:—Finding List, 1887.
- NEW YORK, GENERAL SOCIETY OF MECHANICS AND TRADESMEN:—Report, 1887.
- NEW YORK MERCANTILE LIBRARY:—Finding List of French Prose Fiction.
- NEWALL, MAJOR-GENERAL D. J. F., R.A., (the Author):—The Highlands of India, 2 vols.
- NOEL, HON. RODEN, (the Author):—Essays on Poetry and Poets.
- NOTTINGHAM MECHANICS' INSTITUTION:—Annual Report, 1888.
- O'HANLON, VERY REV. CANON, P.P., (the Author):—Report of the O'Connell Monument Committee.
- OLDHAM FREE LIBRARIES:—Catalogue of the Central Lending Library.
- PARNELL, JOHN, (the Author):—Tercenary Ballad: defeat of the Spanish Armada, (3 copies).
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- PERRY, REV. S. J., S.J., F.R.S., (the Author):—Stonyhurst College Observatory: Results of Meteorological and Magnetical Observations, 1887.
- PHADELPHIA ACADEMY OF NATURAL SCIENCES:—Proceedings, 1887, and 1888, pt. 1.
- PHILADELPHIA BOARD OF TRADE:—55th Report.

- PHILLIPSON AND GOLDER, MESSRS., (the Publishers):—Chester Diocesan Calendar, 1888.
- PICOT, SIR JAMES A., J.P., F.S.A., (the Author):—The Town Halls of Liverpool.
- PITMAN AND SONS, MESSRS. (the Publishers):—The Phonetic Journal, 1887.
- PRESTON, SYDNEY H., (the Compiler):—Supplement to the 4th edition of Chambers' Index to next-of-kin, (2 copies).
- QUEEN'S COLLEGE, LONDON:—Calendar, 1887-8—1888-9.
- RAGGED SCHOOL UNION:—44th Annual Report.
- RATHBONE, P. H., J.P.:—Recollections of a New York Chief of Police, by G. W. Walling.
- READE, T. MELLARD, C.E., F.G.S., F.R.I.B.A., (the Author):—Airless and Waterless Condition of the Moon, by Fred. F. Grensted, with Geological and Physical Notes, by T. Mellard Reade; Geological Consequences of the Discovery of a Level-of-no-Strain in a Cooling Globe; Tidal Action as an Agent of Geological Changes; An Estimate of Post-Glacial Time; The Dimetian of St. David's; Effects of Temperature on Terra-Cotta, (2 copies).
- REYNOLDS, R. S., (the Author):—The Liverpool Dry Ashpit Refuse, (6 copies).
- ROYAL ASTRONOMICAL SOCIETY:—Memoirs, vol. 49, pt. 1; Monthly Notices, vol. 48, and 49, pt. 1.
- ROYAL COLONIAL INSTITUTE:—Annual Report, 1887, and 1888.
- ROYAL CORNWALL POLYTECHNIC SOCIETY:—55th Report.
- ROYAL DUBLIN SOCIETY:—Scientific Proceedings, vol. 5, pts. 7-8, and vol. 6, pts. 1-2; Scientific Transactions, vol. 4, pt. 1.
- ROYAL INSTITUTE OF BRITISH ARCHITECTS:—Proceedings, New Ser., vol. 4, and vol. 5, pts. 1-5; Transactions, New Ser., vol. 4; Conservations of Ancient Monuments and Remains; Hints to Workmen engaged on the Repairs and Restoration of Ancient Buildings.
- ROYAL NATIONAL LIFE-BOAT INSTITUTION:—Annual Report, 1888.
- ROYAL SOCIETY OF CANADA:—Proceedings and Transactions, vol. 5.
- ROYAL SOCIETY OF LONDON:—Philosophical Transactions, vol. 178; List of Members.
- ROYAL STATISTICAL SOCIETY:—Journal, 1888.
- RYLANDS, J. P.:—Liverpool Parliamentary Elections, 1818; Result of Poll, 1818; Two Lancashire Rolls of Arms.
- ST. HELENS FREE LIBRARY:—Supplementary Catalogue.
- SEISMOLOGICAL SOCIETY OF JAPAN:—Transactions, vols. 11 and 12.
- SEPTON, REV. J., M.A., (the Author):—Thor and his sway.
- SHARP, CHARLES:—Collection of Facsimiles of the Types, Woodcuts, and Capital Letters used by early printers.
- SHERBROOKE, MARGARET M.:—The law in relation to woman, by a lawyer, (6 copies).
- SMITHSONIAN INSTITUTION, WASHINGTON, U.S.A.:—Annual Report, 1885; Smithsonian Miscellaneous Collections, vols. 31-33; Toner Lectures, Nos. 3-4.
- SOCIETY FOR THE ABOLITION OF VIVISECTION:—Man's Injustice to Animals.
- SOCIETY FOR THE PROMOTION OF WOMEN AS POOR LAW GUARDIANS:—7th Annual Report; Social Employment of Women; Why I am a Poor Law Guardian, by Dora Downright; The Work that Ladies can do as Poor Law Guardians.
- SOCIETY OF ANTIQUARIES OF LONDON:—Proceedings, vol. 11, pt. 4, and vol. 12, pts. 1-2.
- SOCIETY OF ANTIQUARIES OF SCOTLAND:—Proceedings, vol. 21.
- SOCIETY OF ENGINEERS:—Transactions, 1887.
- SONNENSCHNEIN AND CO., MESSRS., (the Publishers):—Dying Scientifically, by Æsculapius Scalpel, (3 copies); St. Bernards, by Æsculapius Scalpel, (8 copies).
- SPIERS, JAMES (the Publisher):—The Divine Word Opened: Sermons by Rev. Johnathan Bayley.
- STEPHENSON, BLAKE AND CO., MESSRS., (the Publishers):—Specimens of Printing Types, Borders and Ornaments.
- SUTTON, CHARLES W., (LIBRARIAN, MANCHESTER FREE LIBRARIES):—An Address to the Liverpool Working Men's Church Association, 1852; An Affectionate Address to the Society of Friends, 1840; Our Rhymster Libeller: who he is, by Randal H. Sherlock; Readings for Advent, selected from the Old and New Testaments.
- SWEDENBORG SOCIETY:—78th Annual Report.
- SYDNEY UNIVERSITY:—Calendar, 1888.
- TAYLOR, JAMES, AND CO., MESSRS.:—Liverpool of to-day.
- TORONTO, CORPORATION OF THE CITY OF, (per P. BYRNE, Esq.):—Queen's Jubilee and Toronto "Called Back" from 1887-1847, by C. Crawford Taylor, 2 vols.
- TRAUTWINE, JOHN C., (the Author):—Civil Engineer's Pocket-Book.

- TURNBULL, A. H., (MANAGER, SCOTTISH WIDOWS' FUND):—Jubilee of Queen Victoria, 1887.
- UNITED STATES GOVERNMENT:—Annual Report of the Comptroller of the Currency, 1887, vol. 1.; Bureau of Education: Report of the Commissioner, 1885-6; Circulars of Information, 1887, pts. 1-3; Census Returns, vols. 17 and 19; Report of the Ornithologist, C. Hart Merriam, A.M., 1887; U. S. Coast and Geodetic Survey: Report, 1886; U. S. Naval Observatory, 1883.
- UNIVERSITY CORRESPONDENCE COLLEGE, CAMBRIDGE:—Intermediate Arts Guide, 1888, pt. 3; London B. A. Guide, 1888, pt. 2; Matriculation Directory, by B. J. Hayes, B. A., 1888, pt. 4; Matriculation Latin; Xenophon Cyropaedia.
- VACHER, FRANCIS, (the Author):—Report on the Sanitary Condition of the Borough of Birkenhead, 1886, and 1887; Engravers and Engraving.
- VICTORIA, AGENT-GENERAL FOR:—Statistical Register of the Colony of Victoria, 1883, 1885, and 1886.
- VICTORIA INSTITUTE:—Oriental Entomology, by Rev. F. A. Walker; On Science and Revelation, by G. G. Stokes.
- VINCENT, J. E. M., (the Compiler):—The Australian Irrigation Colonies.
- WALES, UNIVERSITY COLLEGE OF, ABERYSTWYTH:—Calendar, 1887-8, and 1888-9.
- WARNE, CHARLES, F.S.A., (the Author):—Ancient Dorset.
- WHITTICK, GEORGE:—Brief Account of the Mechitaristic Society; Natural History of the Polype.
- WIGAN FREE LIBRARY:—Catalogue, Letter B.
- WINNIPEG BOARD OF TRADE:—9th Annual Report.
- WISCONSIN NATURAL HISTORY SOCIETY:—Proceedings, 1885-7; Bericht des Naturhistorischen Vereins von Wisconsin, 1871-82.
- WYMAN AND SONS, MESSRS., (the Publishers):—Commercial Encyclopædia, (2 copies).
- ZOOLOGICAL SOCIETY OF LONDON:—Proceedings, 1887-88; Transactions, vol. 12.

WINTER LECTURES.

During the months of January to March the twenty-third course of free popular lectures, numbering forty, was delivered in the Rotunda Hall of the Library. Large and appreciative audiences attended the lectures, and they continue to give the Committee every assurance that an important educational work is being effected by their means. The total attendances amount to 47,774, or an average of 1,194 per lecture.

LECTURERS AND SUBJECTS:

- ADAMS, REV. W. J. Plain talk to plain people; illustrated by the Oxyhydrogen Light.
- ARGENT, W. I. How Music is made; with Vocal and Instrumental Illustrations.
- BENAS, BARON L., J.P. A Tour in the Austro-Hungarian Empire; illustrated by the Oxyhydrogen Light.
- BIRCHALL, JAMES. European Trade Routes in the Middle Ages. The Great Flemish Cities of the Middle Ages; illustrated by the Oxyhydrogen Light. (2 lectures.)

- BRADLEY, A. C., M.A., Professor of Modern Literature, University College, Liverpool. Mazzini and the Struggle for Italian Unity; illustrated by the Oxyhydrogen Light.
- CAREY, F. S., M.A., Professor of Mathematics, University College, Liverpool. Shooting Stars; illustrated by the Oxyhydrogen Light.
- CONWAY, W. M., M.A., Professor of Art, University College, Liverpool. Alpine Climbing; illustrated by the Oxyhydrogen Light.
- CORTIE, REV. A. L., S.J. The Heat of the Sun; illustrated by the Oxyhydrogen Light.
- COWELL, P., Librarian, Free Public Library. English Customs and Folk Lore, particularly of Lancashire. Talk about Manuscripts, Books, and Bindings; illustrated by the Oxyhydrogen Light. (2 lectures.)
- DAVIES, EDWARD, F.C.S. The Nature and Uses of Disinfectants and Antiseptics; illustrated by Experiments.
- DIXON, WILLMOTT, LL.B. The Spanish Armada: a Tercentenary Oration.
- DUFF, REV. ROBERT, M.A. Livingstone's Early Researches in Africa; illustrated by Diagrams.
- DYALL, CHARLES, Curator, Walker Art Gallery. Art in Every-day Life; with Illustrations.
- ELLISON, COLONEL C. O. London in the Olden Time; illustrated by the Oxyhydrogen Light.
- GIBSON, R. J. HARVEY, M.A., F.R.S.E., Lecturer in Botany, University College, Liverpool. The Life History of a Primrose; illustrated by Experiments.
- GROSSMAN, KARL, M.D. The Human Eye; illustrated by the Oxyhydrogen Light.
- HERDMAN, W.A., D.SC., F.L.S., Professor of Natural History, University College, Liverpool. The Life History of our Common Frog; illustrated by the Oxyhydrogen Light.

- HEWITT, WILLIAM, B.Sc. Thermometers and their Uses; illustrated by the Oxyhydrogen Light.
- HICKS, J. S., F.R.C.S., F.L.S. Sea Anemones; illustrated by the Oxyhydrogen Light.
- JEFFS, OSMUND W. Ancient Stone Monuments; illustrated by the Oxyhydrogen Light.
- JONES, REV. W. HENRY. Hungary: its People, Stories, and Music; illustrated with Diagrams.
- JUDE, W. H., Principal, Liverpool Organ School. The Eloquence of Music; with Vocal and Instrumental Illustrations.
- LESLIE, FRANK J., F.R.G.S. Stories from Lancashire History. The Jacobites in Lancashire; illustrated by the Oxyhydrogen Light. (2 lectures.)
- LUND, REV. T. W. M., M.A. Through the S. Gothard Tunnel; illustrated by the Oxyhydrogen Light.
- MACCUNN, JOHN, M.A., Professor of Philosophy and Political Economy, University College, Liverpool. What is Socialism?
- MCMILLAN, ROBERT. The Life History of our Common Crab; illustrated by the Oxyhydrogen Light.
- RENDALL, G. H., M.A., Principal, University College, Liverpool. Elegies in Marble from Greek Tombs; illustrated by the Oxyhydrogen Light.
- RIGBY, REV. E. A., S.J., Professor of Physics, Stonyhurst College. The Formation of Chalk by Animalcules; illustrated by the Oxyhydrogen Light.
- SHARP, CHARLES. The Art of Story Telling; with some Stories not to be found in Books.
- SHAW, H. S. HELE, Professor of Engineering, University College, Liverpool. The Rise and Progress of Steam Navigation; illustrated by the Oxyhydrogen Light.

SHAPIRO, THOMAS. African Exploration; illustrated by the Oxyhydrogen Light.

STEWART, W. J., B.A. Some English Abbeys; illustrated by the Oxyhydrogen Light.

STRONG, HERBERT A., M.A., LL.D., Professor of Latin, University College, Liverpool. Early Explorers of Australasia; illustrated by the Oxyhydrogen Light.

STUBBS, CAPTAIN EDWARD, R.N. Sailing Ships of All Ages and Nations; illustrated by the Oxyhydrogen Light.

WHITE, REV. W. MOORE, M.A., LL.D., A Visit to the Land of the Pharaohs; illustrated by the Oxyhydrogen Light.

WIGLESWORTH, JOSEPH, M.D. The Nerves and the Brain: how we Feel and how we Act; illustrated by the Oxyhydrogen Light.

WILLIAMS, REV. S. FLETCHER. Sir Philip Sidney; illustrated by the Oxyhydrogen Light.

AUTUMN LECTURES.

These Lectures are intended to be of a more advanced character and higher educational value than the Winter Series, and are given in short courses. This year they numbered fifteen, and those of a scientific character proved exceptionally attractive, notwithstanding the small payments of a penny and threepence, which the Committee for the first time required for admission. The total attendances were 8,558, or an average of 570 per lecture. The names of the lecturers and subjects are as follows:—

Four Lectures on "Astronomy," by SIR ROBERT S. BALL, LL.D., F.R.S.

Two Lectures on "The World of the Minutest Life," by the REV. W. H. DALLINGER, LL.D., F.R.S.

Two Lectures on "the Bone Caves and the Early Inhabitants of Europe," by PROF. BOYD DAWKINS, M.A., F.R.S.

Three Lectures on "Art: the Expression of a Nation's Character and Aspirations," by P. H. RATHBONE, ESQ., J.P.

Four Lectures on "The Principles of Geography," by W. HEWITT, B. SC.

LENDING LIBRARIES.

TABLE I.—General Statistics:—

	1888.			1887.		
	North Branch.	South Branch.	Total.	North Branch.	South Branch.	Total.
Volumes lent	217,659	209,873	427,532	203,200	202,071	405,271
New Tickets issued	2,049	2,167	4,216	2,029	2,276	4,305
Tickets renewed	2,418	2,359	4,777	2,388	2,121	4,509
Tickets cancelled	1,999	2,037	4,036	1,928	2,038	3,966
Total Readers	4,438	4,597	9,035	4,388	4,467	8,855
Books lost or injured and paid for	25	26	51	15	24	39
Books lost	5	4	9	—	—	—
Volumes worn out—withdrawn	257	292	549	272	77	349
Volumes worn out—replaced	659	676	1,335	406	751	1,157
No. of vols. added	559	564	1,123	632	670	1,302
Total vols. in Libraries	23,807	23,476	47,283	23,505	23,204	46,709

TABLE II.—Shewing Classification of Volumes Lent and Added:—

	Volumes Lent.			Volumes Added.		
	North Branch.	South Branch.	TOTAL.	North Branch.	South Branch.	TOTAL.
Theology	3,440	2,716	6,156	16	16	32
Natural Philosophy	3,264	3,068	6,332	15	15	30
Natural History	2,315	1,927	4,242	23	18	41
Science and Arts	10,399	8,716	19,115	42	45	87
History and Biography	8,321	8,311	16,632	74	76	150
Topography and Antiquities	948	1,044	1,992	5	5	10
Voyages and Travels	5,640	6,026	11,666	25	30	55
Miscellaneous Literature	12,350	12,691	25,041	121	119	240
Jurisprudence, Law, and Politics	369	224	593	5	6	11
Commerce and Political Economy	882	645	1,527	4	5	9
Education, Language, and Logic	1,718	1,309	3,027	7	6	13
Poetry and Drama	1,354	932	2,286	8	8	16
Prose Fiction	166,432	161,808	328,240	214	215	429
Latin and Greek Classics	157	311	468	—	—	—
Books for the Blind	70	145	215	—	—	—
TOTAL	217,659	209,873	427,532	559	564	1,123

BRANCH EVENING READING ROOMS.

Place.	Attendance.				Average per night.
Chatsworth Street Board School	29,252	96
Low Hill School	14,365	47
Queen's Road Board School	20,480	67
Stanley Road Board School	28,965	95
Wellington Road School	21,715	72
Total	114,777	377

MUSEUM.

VISITORS TO MUSEUM.

The Visitors to the Museum during the year have been as follows:—

	1888	1887.	
	(214 Days.)	(215 Days.)	Increase.
Total visitors in the year	291,754*	255,616	36,138
Weekly Average	5,687	4,915	772
Daily Average	1,363	1,188	175

* Including Monday evening visitors from Oct. 1 to Dec. 31.

Students from the Training College, Durning Road, from the Training College, Mount Pleasant, from the Institution for the Deaf and Dumb, from the Wallasey Grammar School, and from various other Schools.

Science Students. Artists, Curators, Travellers, and numerous other persons, visiting the Museum for special purposes.

The attendance of children of school age on Saturdays, is very noticeable, stimulated it is believed, by the interest excited by the circulating school cabinets noted further on.

MONDAY EVENING LECTURERS AND SUBJECTS.

MUSEUM ADDRESSES.

Oct. 1.—Introductory, by the Rev. H. H. Higgins, M.A.

Oct. 8.—On the Monotreme, Marsupial, Edentate, and Rodent Mammalia, by the Curator.

Oct. 15.—On Glass Skeletons, by Mr. R. McMillan.

Oct. 22.—On Gems and Precious Stones, by Mr. F. P. Marrat.

Oct. 29.—On Zoophytes and Jelly Fishes, by Professor Herdman, F.R.S.E.

Nov. 5.—On Flowers of the Sea, by Mr. J. Brack Warriner.

Nov. 12.—On the Marine Fishes in the Aquaria, by Mr. R. Paden.

Nov. 19.—On the Skeleton of the Hand and Foot in Man and Animals, by Mr. G. F. Moore.

Nov. 26.—On the Ancient Civilization of Babylon and Egypt, by the Rev. F. F. Grensted, M.A.

Dec. 3.—On the Liverpool Potteries, by Mr. P. Entwistle.

Dec. 10.—On Watches and Time Measurers, by Mr. T. Tarleton.

Dec. 17.—On Land and Sea Crabs, by Mr. J. Chard.

Dec. 24.—On Insects: What are they? By Dr. J. W. Ellis.

Dec. 31.—On Cattle and Sheep, by the Curator.

The total number of visitors to the Museum on the fourteen Monday Evenings from October 1 to December 31 amounted to 4,291, giving an average of 306 per evening.

The visitors were of all classes and ages, working men predominating. Their demeanour was all that could be desired, and no instance has occurred of the levity and boisterousness which led to the discontinuance of the first experiments in Monday evening openings which were commenced in October, 1863, and were terminated in March, 1871.

CIRCULATING MUSEUM COLLECTIONS.

The Circulating Museum Collections for Educational purposes in Public Elementary Schools within the City, introduced by the Rev. H. H. Higgins in 1884, continue to be received with much favour by Teachers. Numerous applications are also received and granted for the loan of Duplicates to Teachers and Pupil Teachers in illustration of special object lessons.

Some additional circulating cabinets have been prepared and others are in hand.

COOKE BEQUEST OF BRITISH LEPIDOPTERA.

The re-arrangement of this collection has been kindly carried on to completion by Dr. J. W. Ellis; and selected drawers therefrom have been exhibited from time to time at the meetings of the Lancashire and Cheshire Entomological Society.

FISH AND REPTILE ROOM.

The room devoted to the display of the principal forms of Fish, Amphibia and Reptiles, was opened to the Public on Easter Monday, and has proved to be a very attractive and important feature, not only on account of the species living in the present age, but also on account of the representations of some of the extinct forms.

PICTORIAL GROUPS.

Among the Pictorial Groups of Birds mounted during the past year, the most notable are the Penguins. These birds represent in the Southern Ocean the Auks and Divers of the Northern Seas of which groups have been previously prepared. Being adapted in the highest degree to a life in the water the Penguins represent among birds the Seals among Mammals with many corresponding adaptations. These are shown as far as circumstances permit in the arrangement of the specimens and groups, which illustrate all the principal forms and most of the known species.

EXCHANGES.

A gigantic Sea Pen, *Pennatula borealis* from the North Sea, received in exchange from the Bergen Museum, per Mr. J. A. Greig, Curator.

Specimens of Starfish, Echini, Ammonites, &c., from California, collected by Mrs. Van Horne.

A Nest of a Tree Trap-door Spider (probably *Moggridgia Dyeri*, O. P. Cambridge), from Graham's Town, South Africa, received in exchange from Mr. Frederick Taylor.

Two living specimens of Menopoma or "Hellbender" (*Cryptobranchus alleghaniensis*); two Axolotls (larval forms probably of the American Salamander, *Amblystoma tigrinum*); sixteen specimens of the Cat-Fish, *Amiurus catus*, and eleven specimens of Salt-water Terrapin (*Malaclemmys concentrica*) for the Aquaria, received from Mr. Eugene Blackford, United States Fish Commissioner, New York, in return for living specimens of the Common Sole, per the Britannic, through the kind offices of Messrs. Ismay, Imrie & Co.

Bones and Horns of *Bison priscus* and Stag, from Caves in the Lake District, from Prof. W. Boyd Dawkins, Owens College, Manchester.

DONATIONS.

A specimen of Variegated Wood Opal, from Wady Halfa, Soudan; collected and presented by Brigade Surgeon S. Archer, per Mr. F. Archer.

A specimen of the Sponge of Commerce growing on a group of spiral *Tenagoda anguina*, from Smyrna?; presented by Mr. Chas. Avgerinos.

Specimens of Sulphur, Mud, and Pumice, &c., from the great Tarawera Eruption, New Zealand, presented by Mr. E. Ernest Bilbrough, Auckland, N.Z., formerly of Liverpool.

An adult female specimen of Pallas's Three-toed Sand Grouse, *Syrrhaptes paradoxus*; presented by Sir Thos. Brocklebank, Bart., being one of five shot at Storeton in Wirral.

An aberrant form of Spider *Gonyleptis anvipes*, from Chili; presented by Capt. Cooper.

A small Bat from Savanilla, U.S.C.; a large Beetle, *Megalosoma elephas*, from the Interior, U.S.C.; a Water Beetle, *Belostoma*, and a small Spear Ray from Magdalena; collected and presented by Capt. H. Daniel.

A Lump Fish, *Cyclopterus lumpus*; presented by Mr. Councillor J. Duncan, Junr.

A fine specimen of the Great Lake Trout, from Lough Neagh, weighing 22 lbs.; presented by Mr. W. A. Duncan.

The skull of an adult Sea Otter, *Enhydris lutris*, (*Lutra marina*), Steller, from the Kurile Islands, and a small Bat from India; presented by Mr. T. R. Green of Yokohama, per Mr. W. Walthew.

A specimen of the Tope, *Galeus vulgaris*, a small Shark nearly five feet in length, caught in the Mersey off Tranmere; presented by Messrs. J. Gordon Alison and Co.

Three Common Snakes, *Natrix torquata*, caught near Wrexham; presented alive by Mr. Joseph Griffiths.

A specimen of the Slow Worm or Blind Worm, *Anguis fragilis*, from Germany, caught and presented by Dr. Hanitsch.

A large stuffed Flying Fish (*Exocætus*) from the Atlantic; collected and presented by Capt. Thomas Hening.

Two Fossil Shells, *Purpura* (*Purpurina*) *Morrisii*, from the great Oolite, Minchinhampton, presented by the Royal Institution, per the Rev. H. H. Higgins, M.A.

A Red-naped Falcon, *Falco Babylonicus* and two Jugger Falcons, *Falco Jugger*, Latham, from Quetta, India; presented by Mr. B. Heywood Jones.

Two large Ear Bones taken from a South African Whale; presented by Mr. John Jones, per Mrs. Joseph Leyland.

A fine male specimen in spirit of the Pichiciego, (*Chlamydophorus truncatus*) found in Mendoza, specially procured for the Museum; presented by Mr. Anthony Libert.

A Common Snake, *Natrix torquata*, caught at Wavertree; presented by Mr. Thomas Lowe.

A collection of small samples of Raw Commercial Products as imported into Liverpool; also a Copper-head Snake, a Horned Frog (*Phrynosoma*) and a small Glass Snake, from Kansas; presented by Mr. Charles Makin.

A Collection of Corals for the use of Students (forty-five small specimens of thirty named species), and seven selected Cowry Shells, viz.:—Six varieties of *Cypræa pantherina* and one of *Cypræa tigris*, also a Fossil Shell, *Exogyra conica*, from the Greensand; presented by Mr. F. P. Marrat.

Two specimens from Storeton Quarry, presented by the Royal Institution of Liverpool, per Mr. G. H. Morton, F.G.S., viz.:—A so-called Fucus; and the type and only known Storeton specimen of *Equisetites Keuperina*, named and figured by Mr. Morton in his "Geology of the Country around Liverpool."

A large and highly finished Model of the S.S. America in plate glass case; presented by the National Steam Ship Company, per Mr. E. K. Hayward, Secretary.

A specimen of the American race of the Peregrine Falcon (*Falco peregrinus*, var. *anatum*); presented by Mr. G. Preston.

Four large Cobra or Hooded Snakes, *Naia tripudians*, one Indian Snake, two Tree Snakes, and a bottle of small floating marine specimens labelled "Surface, Equator, 25 degrees W. Long."; presented by Capt. W. C. Seabrook, Ship Lord Lytton, per Messrs. Steeves Bros.

A living specimen of the Common Guillemot, *Lomvia troile*, caught on Bidston Hill; presented by Mr. F. Skinner.

A specimen of Coral, *Madrepora variabilis*, Red Sea; presented by Mr. E. Taylor.

Specimens of Trap-door Spiders and their Nests, probably *Moggridgia Dyeri*, of O. P. Cambridge, recently discovered in South Africa building on the trunks of Oak and Kaffir Boom Trees, specially procured for the Museum; presented by Mr. Frederick Taylor.

Three specimens of a Longicorn Beetle, *Astinomus ædilis*, and their borings in Baltic Lathwood, from the North Docks; presented by Mr. Robert Thomas, per Mr. H. C. Beasley.

A collection of small Marine Invertebrates and a few Fish collected during a voyage from London to Sydney and San Francisco; presented with notes by Capt. W. H. Cawne Warren, Associate of the Lit. and Phil. Society, Liverpool.

Twenty-nine specimens illustrative of the more important Elements; presented by Mr. H. N. Warren, on payment of expenses of preparing and mounting.

A fine male specimen of the Golden-eye Duck (*Clangula glaucion*). Nest and four eggs of the Common Snipe, from the Western Islands; and three eggs of the Manx Shearwater, *Puffinus anglorum*, from the Isle of Lewis; collected and presented by Mr. Thomas West.

PURCHASES.

The principal purchases have been as follows:—

A fine adult skull of the rare Marco Polo's Wild Sheep, *Ovis Polii*, Blyth, from Central Asia, at an elevation of 16,000 feet.

Marco Polo in his celebrated Book of Travels through Central Asia in the 15th Century was the first to make known the existence of

extremely large races of Wild Sheep in the elevated plains of Pamir, eastward of Bokhara, 16,000 feet above the sea level. These are now known to consist of several closely allied species, the first of which was named in 1840 in honour of the celebrated traveller, from the only skull and horns then known in Europe. In very recent years other species have been named and described by Explorers, but all are surpassed in size by the *Ovis Poliü*, of which the head and horns purchased for the Liverpool Museum is an exceedingly fine example, the horns of which measure 53 inches round the outer curve, and 15 inches round the base, and 42 between the tips.

A new-born Porpoise (*Phocæna communis*), taken alive in the net of a shrimping boat off the S. West Bar Light Ship.

A stuffed specimen of a young Walrus (*Trichecus rosmarus*, Linnæus) from the Greenland Seas.

A disarticulated skeleton of the Jaguar (*Felis Onca*, Linnæus), in which every component bone of the skull, body, and limbs is mounted separately from its neighbours, and are also removable in groups for study.

Two skulls of Sharks from India.

Three specimens of the Common Chough from Sligo.

Two large Spider Shells, *Pteroceras truncatum*, and a Coral (*Madrepora aculeus*).

A Shell, *Cassis tuberosa*, three Corals, *Manicina areolata*, and two *Lophoseris divaricata*, from the West Indies.

Seven specimens of four species of Fossil Shells, (*Inoceramus*), from the Chalk.

Four polished sections of Fossil Corals, viz.—*Acervularia luxurians*, Dudley, transverse section, and longitudinal section, *Lithostrotion martini*, Avon, and *Favosites*, Wenlock Limestone.

An oval specimen of Landscape Mocha Stone (Chalcedony with an infiltration of Manganese).

A specimen of Celestine from Gloucestershire, a specimen of Vanadate of Lead or Wulfenite from Arizona and a Crystal of Amazon Stone (Felspar).

A specimen of Serpentine.

Eight specimens of three species of Minerals from Alston Moor, Cumberland, Green Fluor containing a movable drop of fluid, Sulphate of Baryta, Calcite, &c.

MAYER MUSEUM.

DONATIONS.

Club, from Guiana; presented by Mr. Philip H. Rathbone, J.P.

Miniature, painted on ivory; portrait of Carignoni; presented by Chevalier C. de W. Stoess.

Roman Glass Beads, and four Carnelian Beads; presented by Mr. William Bartlett.

Stone Celt, and fifteen Arrow-Heads, found in graves, James River, North Carolina; presented by Mr. H. Leaton Edwards.

Cup, in light-coloured pottery, Greek, from Pompei; presented by Mr. T. A. Hampson.

Works of two Watches, made by "Jas. Thearwood, London," and "Higginson and Fairclough, Liverpool"; presented by Mr. Evan Roberts.

Five Coins, found in the garden of the "Old Cheshire Cheese" Inn Wallasey; presented by Mr. William Roe.

PURCHASES.

A selection of specimens was purchased at Mr. James Cross's sale, consisting chiefly of Metal-work from Hyderabad, Benares, Persia, and Japan; Japanese Pottery, viz.:—Kioto, Kutani, Imari, Satsuma, and Hizen Wares; Delft Ware, Flint-lock Pistols, Swords, &c.

French Verge Watch, finely enamelled.

Two Mugs, in cream-coloured pottery, with printed landscapes in front, made by Elijah Mayer, Hanley, Staffordshire.

Pair of Staffordshire Ware Figures, the Cobbler and his Wife.

Modern Japanese Metal-work Inkstand.

Two Watch Papers, finely cut by hand.

Japanese Ivory Netsuki or Button.

Two Buttons, mounted in brass. French, 1790.

Two Japanese Ivory Carvings.

Fur Coat, Jacket, Hooded Caps, Leggings, Bags and Pouches, from the Samoyede Tribes in the neighbourhood of the Samoyede Peninsula.

Modern Japanese Iron Vase, elaborately damascened with gold and silver.

Abyssinian Manuscript.

Necklaces, in cast iron and wire-work, made at Berlin for the ladies who gave up their jewellery to be made into coins for the payment of the troops in the Franco-German War, Battle of Leipzig, 1813.

LOAN.

Collection of Ancient Hindu Gods and Sacred Vessels, in brass and copper; collected and lent by Mr. E. Hodges, A.M.I.C.E., Department of Public Works, India.

WALKER ART GALLERY.

During the year the Gallery has been open on 292 days, and closed for cleaning and other purposes on 21 days. The total number of visitors was 460,937 or a daily average attendance of 1,578. Included in the above total are 71,495 visitors to the Autumn Exhibition, and 10,000 pupils of schools of various denominations admitted free.

An Exhibition of the works of M. Vasili Verestchagin illustrating scenes in the Holy Land, India, Russia, and battle incidents was held in the Gallery during the months of January and February. A numerous-attended *Conversazione* was held at the opening, when the Artist gave a short lecture describing the collection. The Exhibition in all respects was highly successful.

During March and April the new rooms were occupied with an International Exhibition of Photographs and appliances shewing the development of this branch of science. During the season numerous lectures were given illustrated by the Oxyhydrogen Light, and several Conversazioni were held; the Exhibition was under the auspices of the Liverpool Amateur Photographic Association, and excited great interest, the attendance being very large.

In May the Liverpool Society of Painters in Water Colours, held their Annual Exhibition in the Gallery.

Another important event which occurred in the Gallery during the year was the meetings of the first Art Congress of the National Association for the advancement of Art, which took place from December 3rd to the 7th, under the presidency of Sir Frederick Leighton, Bart., P.R.A., the Chairman of the Local Committee being Sir James A. Picton. The whole of the building was placed at the disposal of the Association during their hours of meeting, five rooms being set apart for the reading of papers, exhibition of objects and discussion, and on Thursday, December 6th, the Gallery, Picton Reading Room and Mayer Collection were thrown open to Members and Associates for a Conversazione.

The picture of the "Captive Andromache," by Sir F. Leighton, formed a prominent object in the Autumn Exhibition. A desire was expressed in many quarters to secure this picture for our Permanent Gallery. The Committee in response to this feeling entered into negotiations with the Artist for the purchase of the picture which resulted in a provisional agreement at the price of £4,000. This was negatived by the Council, and no purchases out of the Exhibition have been made this year.

The Statistics will be found below.

LIST OF WORKS ADDED TO THE PERMANENT COLLECTION.

Donations—

Portrait of H. Lonsdale Elmes, Architect of St. George's Hall, engraved by T. O. Barlow, R.A.; presented by Lucas P. Stubbs, Esq.

Drawing in Indian Ink of St. George's Hall; presented by Lucas P. Stubbs, Esq.

"On the Wharfe" (Water Colour), by Albert Hartland; bequeathed by the late Thomas Occleshead, Esq.

Pair Sevres' Vases; presented by S. H. Thompson, Esq., of Thingwall.

Reproductions of Drawings, by Old Masters (Part 1); presented by the Trustees of the British Museum.

"The Last Man" (Oil Painting), by John Martin, K.L.; presented by Richard R. Heap, Esq.

"Nearing the Needles" (Oil Painting), by Henry Moore, A.R.A.; purchased from the Autumn Exhibition of 1888, and presented by George Holt, Esq.

Purchases—

Photographs (2 vols.) of Casts in the Royal Architectural Museum.

"Embers" (Oil Painting), by the late F. M. Potter.

"The Death of Nelson" (Oil Painting), by S. Drummond, A.R.A.

AUTUMN EXHIBITION OF PICTURES.

	1888.				1887.			
		£	s.	d.		£	s.	d.
Number of Pictures and other Works of Art Exhibited.....	1,412				1,279			
Number of Pictures sold	168				181			
Amount realized by sales		6,461	6	0		4,791	19	0
Season Tickets sold	2,172	384	1	0	1,256	216	4	0
Admissions at One Shilling.....	29,465	1,473	5	0	17,775	888	15	0
„ Sixpence	24,938	623	9	0	15,597	389	18	6
„ Threepence	14,925	186	11	3	20,800	260	0	0
Catalogues sold	19,472	524	17	6	16,214	371	2	3
Commission on sales		268	16	9		185	3	9
Miscellaneous Receipts		40	3	3		18	11	0
Total Receipts, exclusive of sales ..		3,501	3	9		2,329	14	6

The following table will be read with interest:—

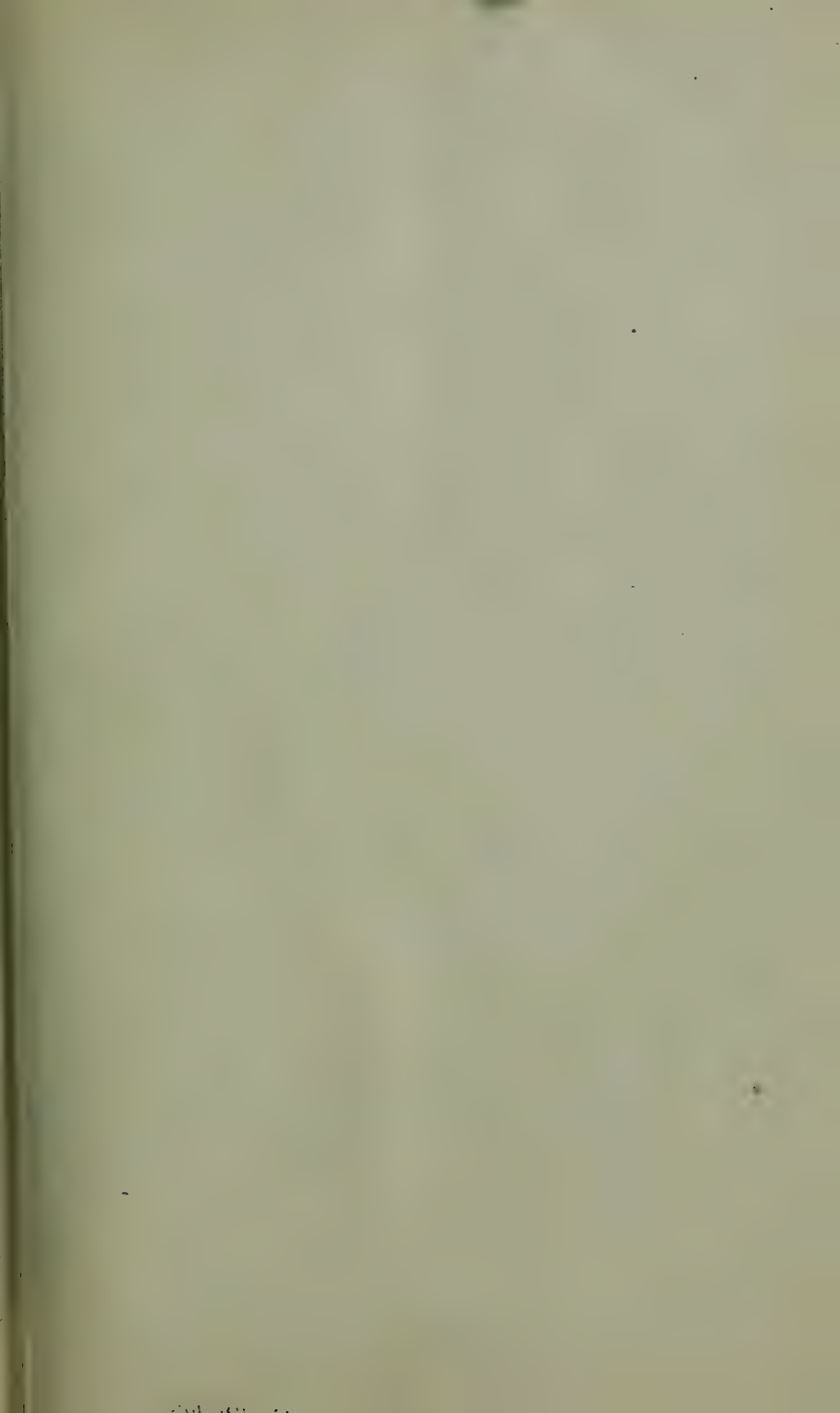
TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 18 YEARS, FROM 1871 TO 1888.

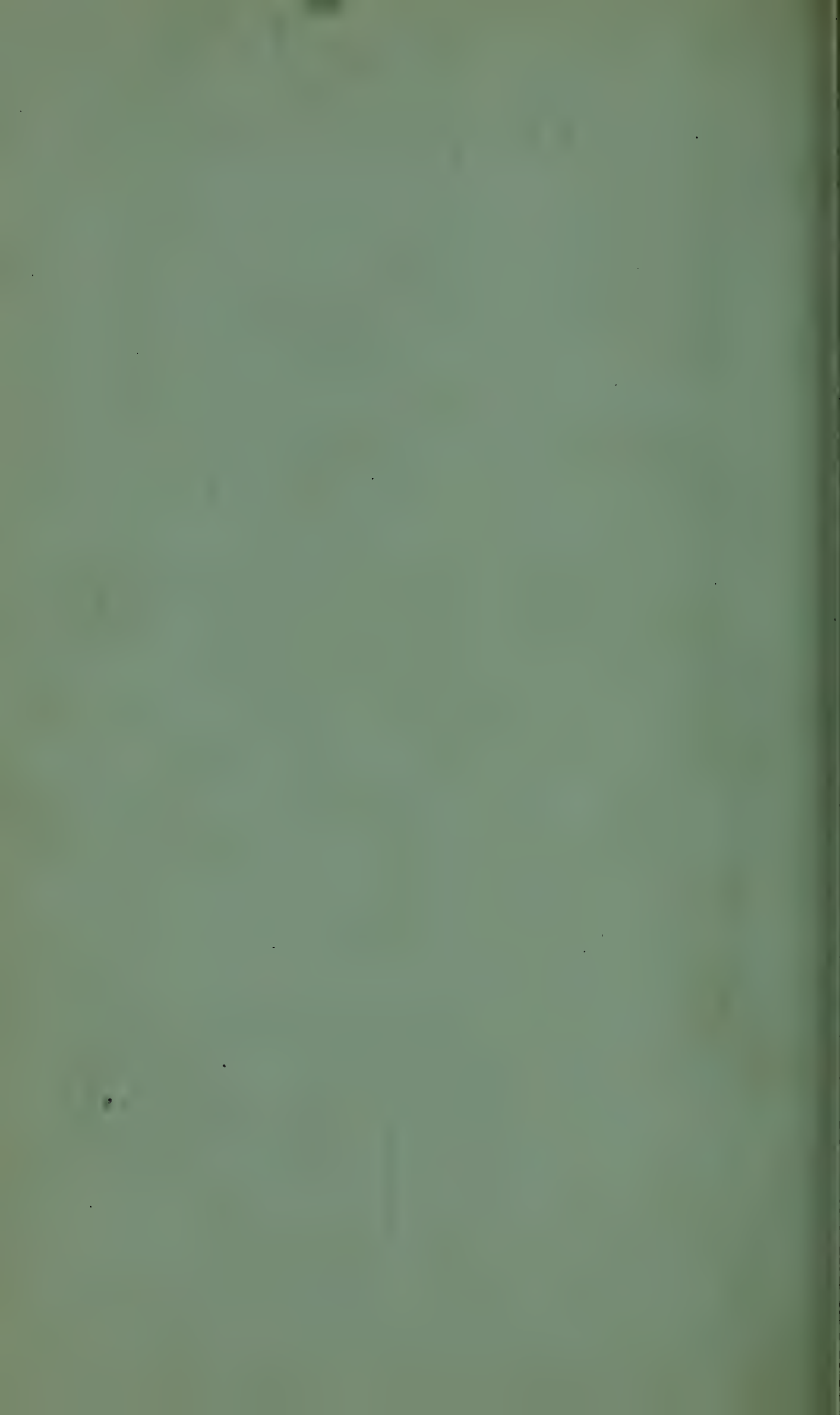
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Year.	ADMISSIONS.			Season Tickets.	Catalogues Sold.		Commission on Pictures Sold.		Miscellaneous Receipts.		Total Receipts.	PICTURES SOLD.							
	One Shilling.		Threepence.		£	s.	d.	£	s.	d.		£	s.	d.					
	£	s. d.																	
1871	720	16 0	...	...	...	...	...	...	...	...	...	...	...
1872	601	5 0	175	9 6	48	2 6	...	...	...	...	...	...	...
1873	665	18 0	...	...	229	10 8	...	...	...	...	...	...	...
1874	854	16 0	...	...	241	13 3	...	...	...	...	...	...	...
1875	972	13 0	...	...	237	14 0	...	...	...	...	...	...	...
1876	1,118	0 0	86	9 6	232	7 6	...	...	...	...	...	...	...
1877	1,928	12 0	...	...	419	3 3	...	...	...	...	...	...	...
1878	1,964	17 0	330	9 6	423	5 0	...	...	...	...	...	...	...
1879	1,516	12 0	212	1 6	378	11 9	...	...	...	...	...	...	...
1880	1,449	11 0	274	4 6	439	19 6	...	...	...	...	...	...	...
1881	1,494	15 0	289	4 6	376	4 6	...	...	...	...	...	...	...
1882	1,430	3 0	299	3 6	332	16 0	...	...	...	...	...	...	...
1883	1,302	1 0	273	8 0	304	17 3	...	...	...	...	...	...	...
1884	1,966	12 0	535	0 6	519	14 3	...	...	...	...	...	...	...
1885	1,317	9 0	366	9 0	344	10 0	...	...	...	...	...	...	...
1886	1,147	1 0	397	14 0	333	15 9	...	...	...	...	...	...	...
1887	888	15 0	389	18 6	260	0 0	...	...	...	...	...	...	...
1888	1,473	5 0	623	9 0	186	11 3	...	...	...	...	...	...	...
Total	22,753	1 0	4,330	19 0	5,516	10 6	6,226	2 6	7,180	9 7	7,092	10 2	552	19 9	53,652	12 6	4,671	157,536	17 6



15 JUL. 1898





THIRTY-SEVENTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY,
OF THE
CITY OF LIVERPOOL,

FOR THE YEAR ENDING 31ST DECEMBER, 1889.



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J. B. WILLIAMS & CO., PRINTERS, 8, SCHOOL LANE.

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COMMITTEE AND OFFICERS

FOR THE YEARS 1889-90.

THOMAS HUGHES, ESQ., MAYOR.

Committee.

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THOMAS HOLDER, ESQ., J.P., DEPUTY CHAIRMAN.

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ALDERMAN SIR W. B. FORWOOD, J.P.,	PHILIP H. RATHBONE, ESQ., J.P.

SIR ANDREW B. WALKER, BART.

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PETER COWELL.

Sub-Librarian :
THOMAS FORMBY.

Curator of the Museum :
THOMAS J. MOORE.

Conchologist, Mineralogist, &c. :
F. P. MARRAT.

Curator of the Walker Art Gallery :
CHARLES DYALL.

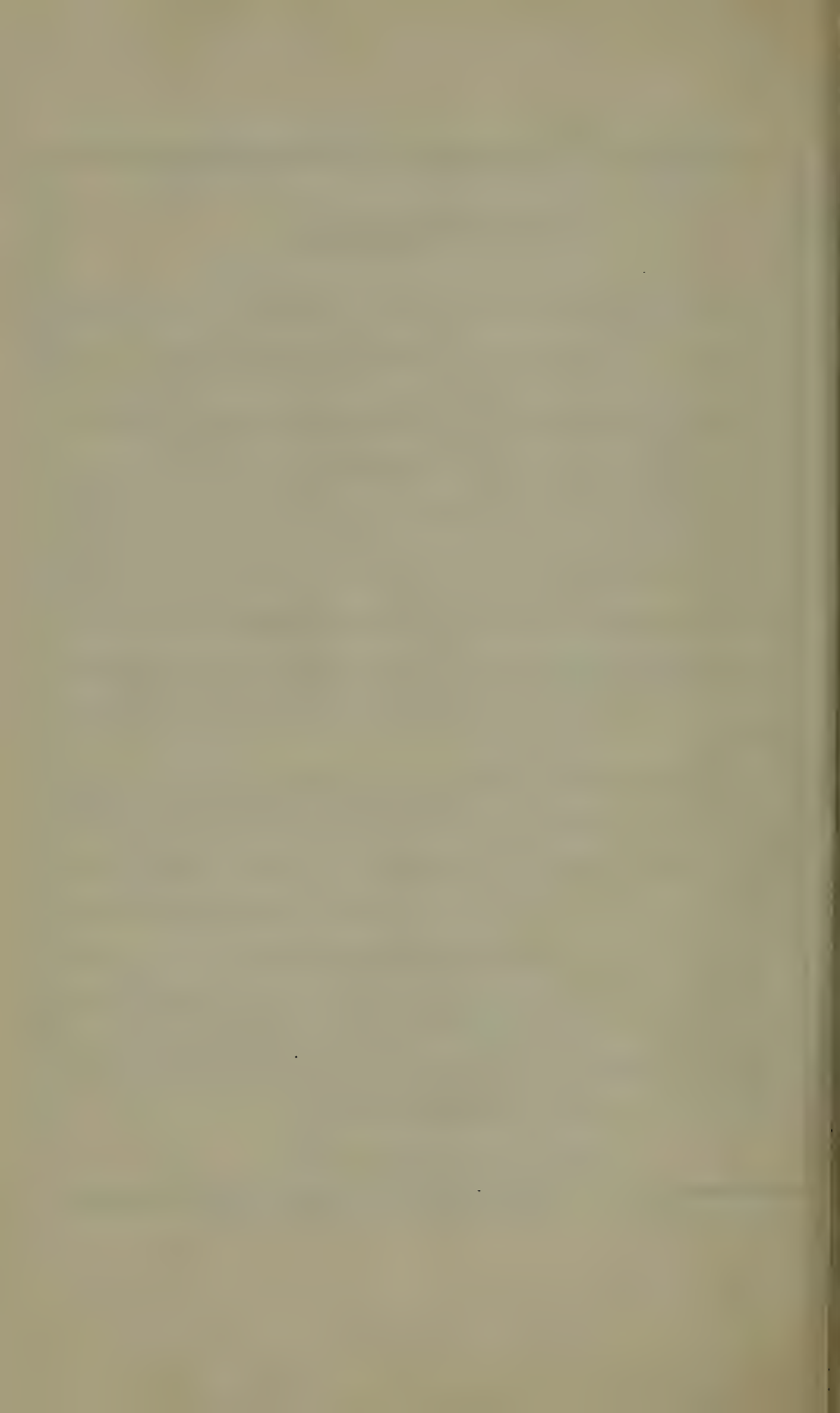
A Tribute.

WHEN the master-mind ceases to inspire and direct, it not unfrequently occurs that the functions of those by whom it was influenced become paralysed ; and such was the feeling of perplexity which possessed his colleagues when the death of their President was unexpectedly announced.

The late Sir James Allanson Picton, Kt., F.S.A., first entered the Council Chamber of the Corporation of Liverpool in 1849, and in the early part of the following year measures were taken by him which resulted in the establishment of a Free Public Library, of which he became its president—a position he occupied to the time of his death—he encouraged and fostered its progress in every conceivable form, and he lived to see it attain its highest state of efficiency—"perfect in all its parts."

To him the public of Liverpool, and more particularly so, the rising generation, are indebted for advantages which it is impossible to over-estimate, and which such an institution as the Free Public Library, Museum, and Gallery of Art will be the means of developing in the future.

On the 15th July, 1889, and in the 84th year of his age, the intellect which devised, and the energies which sustained him in the performance of his allotted task were arrested in the fulness of their vigour by the Great Disposer of Events, leaving mens' minds impressed with the conviction that "his good works will surely follow him."



GENERAL REPORT.

Although the Committee have been beset by difficulties of a varied nature, chiefly in their financial aspects, they are encouraged to believe that their labours during the past year were sustained and appreciated by a community who continue to avail themselves in such large numbers of the advantages which the institution affords.

The parliamentary powers obtained during the last session now enables the Committee to administer the "Library and Museum Act of 1852" to the fullest extent, and frees it from many moot points which heretofore presented themselves, notably so, that a doubt has been dispelled as to the Lending Libraries forming a part of the Corpus of the main Library in William Brown Street.

The exigencies of our trade and commerce having of recent years necessitated the migration of a large and industrial section of the community to a residential neighbourhood somewhat removed from the centre of the City, it was deemed desirable in their interest to extend the area of the District Libraries, resulting in the erection of one in the Township and Ward of West Derby, which it is hoped will be utilized to its utmost capacity, for it may here be mentioned that in addition to the Circulating Library which has been supplied with a higher standard of literature, a commodious Reading Room has been attached to it.

The extent to which District Libraries may ultimately be established will greatly depend upon the financial resources of the Committee, and upon that question the *dictum* of the ratepayers must sooner or later be pronounced.

In the Museum Department a series of addresses have been delivered by persons competent to demonstrate the advantages of the study of Natural History.

A higher standard of Public Lectures has been aimed at, as will be made obvious by glancing at last year's programmes, more particularly so, those of the Autumn course treating on scientific subjects, which have necessitated a small entrance charge being made.

The Art Department, which has been emulated by so many other municipalities, continues to hold out encouragement to the serious art

student as well as to the amateur, and the results are shown by the flourishing condition and the increasing number of Art Societies springing up in our midst, which it is hoped may one day become the incentives to Technical Education.

In order to maintain the general efficiency of the institution, the Members of the Committee have fully realized the responsibility which has been cast upon them in their individual capacity. A redistribution of the work has recently taken place, in which they have to acknowledge the willing co-operation of the Librarians and Curators of the several departments.

SIGNED ON BEHALF OF THE COMMITTEE,

EDWARD SAMUELSON,

CHAIRMAN.

REFERENCE LIBRARY.

The Statistics to which paramount importance must always be attached, show that there have been issued during the past year 444,649 volumes. Compared with the issues of last year, this shows a decrease of 57,649 volumes. The decrease has been proportionate in the several classes of literature into which the books are divided, except Latin and Greek Classics, which exhibit an increase of 485 volumes. The volumes added during the year number 2,404. The effect of good and bad trade upon employment is always apparent in the work of the Library by the decrease or increase of the books issued to those frequenting the Reading Rooms, and the present improvement in trade is no doubt the direct cause of the diminution of books issued both this year and last; and the books borrowed from the Lending Libraries also show a decrease to the extent of 42,106 volumes, due no doubt to the same cause. The number of books referred to which have been classified in the following table by no means represents the whole of the work of the Library. The issues of quarterly, monthly, and weekly periodicals which are placed in the Picton Reading Room, so that readers may select for themselves the periodical wanted without the necessity of making a formal application, are estimated at 111,143. These periodicals are all of a strictly scientific or literary character. In the Brown Reading Room, where the literature issued is of a more recreative and popular kind, the various periodicals lent, in addition to the volumes of prose

fiction, volumes of the Graphic, Illustrated London News, Punch, &c., included in the table, number 112,430. To this must be further added 78,048 Directories and 17,125 volumes of Patents. A section of this room forms the Newspaper department, and various countings of the readers here present at one time give an average of not less than 700 per day, or 189,700 during the year. The foregoing figures combined make a grand total of 763,395 books and periodicals issued during the past year, and this apart from the enormous number of persons who come to consult or read the various newspapers.

TABLE.—Showing the issue of books and their classification.

Classification.	Volumes.	Daily Average.
Theology, Morals, &c.	16,696	61
Natural Philosophy, Astronomy, &c.	15,650	59
Natural History	7,834	25
Science and the Arts	25,487	94
History and Biography	18,440	68
Topography and Antiquities	6,646	24
Voyages and Travels	9,694	36
Miscellaneous Literature (principally collected Works, Essays, Reviews, Societies' Proceedings, &c., in volumes)	126,262	465
Jurisprudence, Law, and Politics	4,902	18
Commerce, Political Economy, and Statistics	3,761	14
Education and Language	6,845	25
Poetry and Dramatic Literature	10,239	38
Prose Fiction	171,697	632
Latin and Greek Classics and Translations	3,679	14
Encyclopædias, and Works of General Reference	16,817	62
Total	444,649	1,640

TABLE.—Showing the number and classification of works contained in the Library.

Classification.	Volumes.
Theology, Morals, &c.	7,124
Natural Philosophy, Astronomy, &c.	2,295
Natural History	5,200
Science and the Arts	11,026
History and Biography	12,180
Topography and Antiquities	5,169
Voyages and Travels	5,104
Miscellaneous Literature (principally collected Works, Essays, Reviews, Societies' Proceedings, &c., in volumes)	22,554
Jurisprudence, Law and Politics	7,788
Commerce, Political Economy &c.	1,447
Education and Language	1,524
Poetry and Dramatic Literature	3,943
Prose Fiction	5,323
Latin and Greek Classics and Translations	903
Encyclopædias, and Works of General Reference	3,169
Total	94,749

The following Periodicals, Newspapers, &c., have been presented regularly by the respective Publishers :—

Amateur Photographer
 American Settler
 Anglo-American Times
 Bible Advocate
 Birmingham and Sheffield Hardware Circular
 Bootle Times
 Brewers' Guardian
 British and Colonial Printer and Stationer
 British Temperance Advocate
 Builders' Weekly Reporter
 Cambridge Examiner
 Cape Argus
 Church of England Temperance Chronicle
 Church Missionary Gleaner
 Church Missionary Intelligencer
 Church Missionary Juvenile Instructor
 Citizen
 Civil Service Times
 Clerks' Journal
 Colonies and India
 County Council Gazette
 Day of Days
 Ecclesiastical Observer
 Electrical Review
 Electrician
 Englishwoman's Review
 Financial Reformer
 Fireside
 Fireside News
 Good Health
 Hand and Heart
 Herald of Health
 Home Words
 Homœopathic World
 Illustrated Medical News
 In His Name
 Invention
 Irish Times
 Iron and Coal Trades Review
 Jewish World
 Journal of the Clerk of Works' Association
 Journal of the Statistical Society
 Leeds Times
 Liberal Unionist
 Light
 Literary News
 Literary Society

Liverpool Catholic Times
 Liverpool Courier (daily and weekly)
 Liverpool Echo
 Liverpool Express
 Liverpool Halfpenny Weekly
 Liverpool Journal of Commerce
 Liverpool Mercury (daily and weekly)
 Liverpool Porcupine
 Liverpool Post (daily and weekly)
 Liverpool Programme
 Liverpool Review
 Liverpool University Magazine
 Liverpool Y.M.C.A. Journal
 Manchester Geographical Society Journal
 Manufacturer
 Medium
 Miller
 Mona's Herald
 Musical Herald
 Musical Society
 Money
 New Church Magazine
 Oddfellows' Magazine
 Official Journal of the Patent Office
 Oxford Chronicle
 Personal Rights' Journal
 Pitman's Musical Monthly
 Present Truth
 Preston Herald
 Railway Review
 Recreation
 Research
 Rhyl Journal
 Richmond and Twickenham Times
 Sale and Exchange
 Script Phonographic Journal
 Shipping World
 Signs of the Times
 Sloan-Duployan Phonographic Journal
 Sunday Times
 Trade Marks Journal
 Two Worlds
 Tonic Sol-fa Reporter
 Vaccination Inquirer
 Vegetarian Messenger
 Western Daily Press
 Woman's Suffrage Journal
 Worcestershire Herald
 Zoophilist

DONATIONS.

SPECIAL CONTRIBUTION MADE BY THE EXECUTORS OF THE LATE SIR JAMES ALLANSON PICTON, KT. :—

An Annotated Copy of his “Memorials of Liverpool,” evidently prepared for a third and revised edition of this valuable historical and topographical work.

A Bust of the late Sir James Picton, executed in marble by J. A. P. McBride ; and the Trowel with which the foundation of the Extension of the Library Building bearing his name was laid.

BEST, W. T., Liverpool :—

Bach's Organ Works, edited by W. T. Best, 3 vols. ; Cecilia : Organ pieces in diverse styles, by W. T. Best, 3 vols.

BRITISH MUSEUM TRUSTEES :—

Publications of British Museum, viz. :—Catalogue of Fossil Reptilia, and Amphibia, by R. Lydekker, vol. 2 ; Catalogue of Greek Coins : Corinth, by B. V. Head ; Illustrations of Typical Specimens of Lepidoptera Heterocera, by A. G. Butler, vol. 7 ; Catalogue of Fossil Fishes, by Arthur Smith Woodward, vol. 1 ; Catalogue of Chelonians, by G. A. Boulenger. New edition ; and 19 other volumes.

BROWN, MRS. SARAH B. :—

Musical Instruments and their homes, by Mary E. Brown and William A. Brown.

CLARENDON PRESS, DELEGATES OF THE :—

Donation of Books selected from the Catalogue of the Clarendon Press to the amount of £25.

HALDANE, J. W. C., C.E., Liverpool :—

Engineering popularly explained, by J. W. C. Haldane, C.E., 2nd edition.

HAMMERMEN INCORPORATION, PERTH. THE ‘DEACON AND HAILL BRETHEN’ OF THE :—

Perth Hammermen Book, 1518-1568 ; with an Introductory Sketch, by Colin A. Hunt.

LIVINGSTON, ALDERMAN J. G., J.P., Liverpool :—

An Account of the Voyages for making discoveries in the Southern Hemisphere, by John Hawkesworth, LL.D., 3 vols. 4to. 1773.

LANSDOWNE, THE MOST HONOURABLE THE MARQUESS OF :—

A Catalogue of the Ancient Marbles at Lansdowne House, based upon the work of Adolf Michaelis.

LONDON, CORPORATION OF THE CITY OF :—

Calendar of Wills proved and enrolled in the Court of Husting, London ; Vol. I : 1258-1358. Catalogue of the Guildhall Library, 1889.

ROBERTS, ISAAC, F.R.A.S., Maghull, Liverpool :—

Photographs of the Stars.

STOESS, CHEVALIER C. DE. W., Liverpool :—

Records (Documents, Newspaper Cuttings, &c.) of the Royal Jubilee Exhibition, Liverpool, 1887 ; Future of the Liverpool Exhibition (Collection of Newspaper Cuttings, &c.)

WHITEHEAD, ALDERMAN SIR J., BART. :—

Report of the Artizans selected by the Mansion House Committee to visit the Paris Universal Exhibition, 1889.

OTHER Books and Pamphlets, Reports, &c., have been received from the following donors, for which the Committee again beg to express their grateful acknowledgments :—

Miss Mary H. Allies ; Alloa Public Library ; R. J. Anderson ; W. I. Argent ; Argentine Republic Consul, in Liverpool ; Thomas Armstrong ; Australian Museum Trustees ; Mrs. Katharine Backhouse ; The Colonial Secretary for Barbados ; Barrow-in-Furness Free Public Library ; Messrs. Bell and Sons ; Charles H. Beloe ; Messrs. Bennett & Co. ; Municipal Corporation of Berlin ; T. H. Bickerton, M.R.C.S. ; Birkenhead Literary and Scientific Society ; Birmingham Free Libraries ; Boston City Auditor ; Boston Public Library ; J. L. Bowes ; The Consul General for Brazil ; Ramon Briseño ; British Association for the Advancement of Science ; S. K. Broadbent ; T. B. Browne ; T. N. Brushfield ; National Library, Buenos Aires ; Government of Burma (per F. Dresser) ; Dr. German Burmeister ; T. B. Burrow ; Cambridge University Correspondence College ; Cambridge University Syndicate ; Lewis Campbell, M.A., LL.D. ; Canada Department of the Interior ; Royal Society of Canada ; Commissioner for Canada, London ; Carl Rosa Opera Company ; Messrs. Cassell & Co. ; Alfred Castellain, J.P. ; Edwin Chadwick, C.B. ; Patrick Chalmers ; Board of Trade, Chicago ; James Christie ; Chamber of Commerce, Cincinnati ; Cincinnati Public Library ; Clerkenwell Free Public Library ; Cobden Club ; Abraham Coles, M.D.,

L.L.D.; Cuthbert Collingwood; James Conway; Cooper Union for the Advancement of Science and Art, New York; Messrs. Cope Brothers and Co.; Cornell University, New York, U.S.A.; Government of Costa Rica; Mrs. Rose Mary Crawshay; Messrs. Curtis and Harvey; J. T. Danson; Henry Daubér; Consul of the Republic of Uruguay; R. C. Davies; Denver Chamber of Commerce, Colorado; Messrs. Dougal and Co.; Dublin University; Dundee Free Library; Durham University; George Easter; Rev. W. M. Ede; Frederick W. Edwards; John W. Ellis, L.R.C.P., L.R.C.S.E., &c.; Enoch Pratt Library, Baltimore, U.S.A.; Financial Reform Association; Francis Fisk; H. T. Folkard; Thomas Formby; Rupert Garry; General Society of Mechanics and Tradesmen, New York; Glasgow Athenæum; Glasgow and West of Scotland Technical College; J. E. Goodchild; John Grant; W. N. Greenwood, F.R. MET. soc.; T. W. Greig; Rev. William E. Griffis, D.D.; Guille Allès Library, Guernsey; Messrs. Guy and Co.; Augustus Harris; Sir Robert Hart, K.C.M.G.; Harvard College, Cambridge, Mass., U.S.A.; Rev. H. R. Haweis, M.A.; Charles Hecksher; C. G. Helleberg; The Secretary, Hemenway Southwestern Archaeological Expedition, Salem, Mass., U.S.A.; John Heywood; Historic Society of Lancashire and Cheshire; Miss Edith A. Huntley; The Rt. Hon. the Secretary of State for India; Indiana Bureau of Statistics, Indianapolis, U.S.A.; Institution of Civil Engineers; Institution of Mechanical Engineers; Irish Loyal and Patriotic Union; Messrs. Jepson and Co.; Messrs. Jowett and Co.; William Kingston; Joseph Körösi; Rev. W. S. Lach-Szyrma; Lancashire and Cheshire Entomological Society; Leicester Literary and Philosophical Society; G. B. Lennard; Library Reports from various Libraries; The Editor of "Light"; Liverpool Institutions, Societies, &c.: Architectural Society; Amateur Photographic Association; Astronomical Society; Auxiliary Bible Society; Catholic Reformatory Association; Church of England Scripture Readers' Society; Engineering Society; Geological Society; Geological Association; Horticultural Association; Literary and Philosophical Society; Liverpool Institute Teachers' Superannuation Society; Liverpool (Lyceum) Library; Medical Institute; Mercantile Marine Service Association; Mersey Mission to Seamen; Microscopical Society; Naturalists' Field Club; Penny Savings Bank; Philomathic Society; Polytechnic Society; Savings Bank; School Board; School of Science; School Ship "Conway;" Science Students' Association; Seaman's Friend Society; Self-Help Emigration Society; Shipwreck and Humane Society; Sunday Society; Training Ship "Indefatigable;" University College; James McCosh; Alexander B. MacDowall, M.A.; R. A. Macfie; Joseph H. McGovern; Messrs. Maclure, Macdonald and Co.; Robert McMillan; Charles Madeley; Manchester Geographical Society; Manchester Geological Society; Manchester Microscopical Society; Manchester Statistical Society; Frederick P. Marrat; Messrs. Marsden and Co.; Mersey Docks and Harbour Board; Geological and Natural History Survey of Minnesota; Elias Molee; National Academy of Sciences, Washington, U.S.A.; National Association for the Advancement of Art; National Association for the Promotion of Technical Education; National Footpath Preservation Society; National Temperance Publication Depôt; J. B. Nevins, M.D.; New South Wales Government; The Proprietor, New Theatre Royal, Liverpool; New York Mercantile Library; New York State

Agricultural Society; Newberry Library, Chicago; Newcastle-upon-Tyne Free Public Libraries; University of North Wales; Norwich Free Library; Nottingham Free Public Libraries; The Comptroller of Patents; Peabody Institute Library, Baltimore, U.S.A.; The late Rev. S. J. Perry, s.j., d.sc.; Philadelphia Academy of Natural Sciences; Messrs. Phillipson and Golder; The late Sir James A. Picton; Messrs. Pitman and Sons; The Lessee, Prince of Wales Theatre, Liverpool; The Registrar of Patents, Queensland; Sir Robert Rawlinson, k.c.b.; T. Mellard Reade, c.e., f.g.s., &c.; Admiral Sir G. H. Richards, k.c.b.; The Rotunda Theatre Company, Liverpool; Royal Astronomical Society; Royal College of Surgeons, Ireland; Royal Colonial Institute; Royal Cornwall Polytechnic Society; Royal Dublin Society; Royal Institute of British Architects; Royal National Life-boat Institution; Royal Society of London; Salem Public Library, U.S.A.; Heinrich A. Schoetensack; The Proprietor, Shakespeare Theatre, Liverpool; T. W. Shore, f.g.s., f.c.s.; Joseph Simms; Rev. J. Henry Skewes; Walter R. Skinner; Smithsonian Institution, Washington, U.S.A.; Society for the Protection of Animals from Vivisection; Society of Accountants and Auditors; Society of Antiquaries of London; Messrs. Sonnenschein and Co.; John Southward; Rev. Robert Spears; Messrs. Street and Co.; Executive Committee of the Stuart Exhibition; Messrs. Stubbs and Co.; W.P. Thompson; Messrs. Thompson and Co.; B. H. Thwaite; Tokyo Library, Japan; T. Tonge; Toronto Public Library; Toronto Trinity College; Trinity College, London; United States Government; Francis Vacher, m.d.; Victoria Comptroller of Patents; Victoria National Gallery; J. E. M. Vincent; John Waddie; Watford Public Library; University College of Wales, Aberystwyth; Mrs. W. H. Wells; Wigan Free Public Library; Young Men's Mutual Improvement Association, Albany, U.S.A.; Zoological Society of London.

WINTER LECTURES.

The following series of popular lectures, forming the twenty-fourth annual course, was delivered in the Rotunda Hall of the Library, during the months of January to March. They were attended by 83,646 persons, or an average of 921 per lecture. With the exception of some 200 seats the remainder of the hall, numbering 1,000 seats, was free. As a means of instruction and as giving a stimulus to reading, these lectures are, it is believed, performing a valuable educational work.

LECTURERS AND SUBJECTS :

- BALL, COUNCILLOR G. H. A Visit to Egypt and the Holy Land; illustrated by the Oxyhydrogen Light.
- BEER, ADOLPH W., President, Liverpool Amateur Photographic Association. A Holiday in the North Riding; illustrated by the Oxyhydrogen Light.

- BENAS, BARON L., J.P. The Art Treasures of Italy and of the Vatican ; illustrated by the Oxyhydrogen Light.
- BIRCHALL, JAMES, President, Literary and Philosophical Society. Some old Spanish Cities and their historical associations ; illustrated by the Oxyhydrogen Light.
- BRADLEY, A. C., M.A., Professor of Modern Literature, University College, Liverpool. Fables.
- CAREY, F. S., M.A., Professor of Mathematics, University College, Liverpool. Comets ; illustrated by the Oxyhydrogen Light.
- CATON, RICHARD, M.D., F.R.C.P., Professor of Physiology, University College, Liverpool. Holland and the Dutchmen ; illustrated by the Oxyhydrogen Light.
- CLIBBORN, FREDERIC. A Round-about Road to Rome ; illustrated by the Oxyhydrogen Light.
- COGAN, J. D., Royal Institution, Bath. The Manufacture of Glass ; with illustrations of the Art of Glass Blowing.
- CORTIE, REV. A. L., S.J., Stonyhurst College. The Volcanic Eruption of Krakatoa : its cause and effects ; illustrated by the Oxyhydrogen Light.
- DAVIES, EDWARD, F.C.S., F.I.C. Bones considered from a Chemical point of view ; illustrated by Experiments.
- DYALL, CHARLES. Curator, Walker Art Gallery. Pictorial Art : its value as a record of Men and Manners ; illustrated by the Oxyhydrogen Light.
- ELLISON, COLONEL C. O. London in the Olden Time ; illustrated by the Oxyhydrogen Light.
- GIBSON, R. J. HARVEY, M.A., Lecturer in Botany, University College, Liverpool. A Visit to a Coal Mine ; illustrated by the Oxyhydrogen Light.
- GONNER, E. C. K., M.A., Lecturer on Economic and Commercial Science, University College, Liverpool. The Immigration of Foreign Labour.
- GRENSTED, REV. F. F., M.A. Egyptian Life and History ; illustrated by the Oxyhydrogen Light.

- GROSSMANN, KARL, M.D. Some Defects of the Human Eye ; illustrated by the Oxyhydrogen Light.
- JEFFS, OSMUND W. Volcanoes, Ancient and Modern; illustrated by the Oxyhydrogen Light.
- HERDMAN, W. A., D.SC., F.L.S., &c., Professor of Natural History, University College, Liverpool. The Ancestors of our Birds and Reptiles; illustrated by the Oxyhydrogen Light.
- JUDE, W. H., Principal, Liverpool Organ School. Musical Masterpieces, with Vocal and Instrumental Illustrations.
- KIRBY, EDMUND, F.R.I.B.A., President, Liverpool Architectural Society, What is a Cathedral? illustrated by the Oxyhydrogen Light.
- LESLIE, FRANK J., F.R.G.S. Some Old Lancashire Houses and their Stories; illustrated by the Oxyhydrogen Light.
- LODGE, OLIVER J., LL.D., F.R.S., Professor of Physics, University College, Liverpool. Lightning Conductors; illustrated by the Oxyhydrogen Light.
- LOGEMAN, WILLEM S. Chaucer; illustrated by the Oxyhydrogen Light.
- LOVELL, JOHN, Editor of '*Liverpool Mercury*.' Thomas Hood.
- LUND, REV. T. W. M., M.A. Canterbury; illustrated by the Oxyhydrogen Light.
- MACCUNN, JOHN, M.A., Professor of Philosophy, University College, Liverpool. What is Democracy?
- MACKAY, J. M., M.A., Professor of History, University College, Liverpool. Early Explorers of the New World.
- McMILLAN, R. The Story of Van Dieman's Land; illustrated by the Oxyhydrogen Light.
- MUIR, J. A. A Series of Readings from Popular Authors.
- POTTS, JOHN, F.G.S. Tiny Rock Builders ; illustrated by the Oxyhydrogen Light.
- RENDALL, G. H., M.A., Principal, University College, Liverpool. Socrates the Philosopher.
- RIGBY, Rev. E. A., S.J., Stonyhurst College. Plants and their Vegetable Foes ; illustrated by the Oxyhydrogen Light.

SHAW, H. S. HELE, M. INST. C.E., Professor of Engineering, University College, Liverpool. The Age of Steel; illustrated by the Oxyhydrogen Light.

SNAPE, THOMAS. Arctic Exploration; illustrated by the Oxyhydrogen Light.

STUBBS, CAPTAIN EDWARD, R.N. The War Ships of Great Britain; illustrated by the Oxyhydrogen Light.

STRONG, H. A., M.A., LL.D., Professor of Latin, University College, Liverpool. Scenes of Life South of the Line; illustrated by the Oxyhydrogen Light.

THOMPSON, ISAAC C., F.L.S., F.R.M.S. Lower Forms of Marine Life found in our Seas; illustrated by the Oxyhydrogen Light.

VEITCH, JAMES, M.A. Continental Scenes and Cities; illustrated by the Oxyhydrogen Light.

WILLIAMS, REV. S. FLETCHER. A Marvellous Boy and a Mad Poet.

AUTUMN LECTURES.

The interesting and valuable series of literary and scientific lectures as under, given during the Autumn, was attended by 6,672 persons. A charge of sixpence was made for reserved seats and one penny to other parts of the hall. 4,978 persons paid for admittance to the penny seats.

Two Lectures on (1) "The Rise and Early History of Human Culture;" (2) "The Evolution of Religious Beliefs throughout the World," by PROF. T. W. RHYS DAVIDS, PH.D., LL.D.

Two Lectures on "The Poetry of the Reign of Queen Victoria," by EDMUND GOSSE, M.A.

Two Lectures on (1) "Music and Noise;" (2) "Music and Morals," by REV. H. R. HAWES, M.A.

Two Lectures on "The Meteoritic Hypothesis," by PROF. J. NORMAN LOCKYER, F.R.S., &c.

Two Lectures on "The Electric Telegraph," by PROF. OLIVER J. LODGE, D.SC., LL.D., &c.

Two Lectures on "The Scientific Evidences of Organic Evolution," by PROF. G. J. ROMANES, M.A., LL.D., &c.

Two Lectures on (1) "The Origin and Uses of the Colours of Animals;"
 (2) "On Warning Colours and Mimicry," by ALFRED R. WALLACE,
 LL.D., F.L.S.

LENDING LIBRARIES.

Statistical Table showing the general working of the North and South
 Lending Branches.

	North Branch.	South Branch.	Total.
Volumes lent	195,485	189,841	385,326
New Tickets issued	1,882	2,012	3,894
Tickets renewed	2,279	2,296	4,575
Tickets cancelled	2,188	2,228	4,416
Readers on the Books	4,132	4,381	8,513
Books lost or injured and paid for	12	14	26
Books lost	—	—	—
Volumes worn out—withdrawn	*1,485	*922	*2,407
Volumes worn out—replaced	507	444	951
Volumes added	398	402	800
Total vols. in Libraries	22,720	22,956	45,676

Included.—*Transferred to East Branch, Kensington, situated in West Derby Ward.
 North 1,086 vols.
 South 600 "

TABLE.—Shewing the Classification of Volumes Lent and Added :—

	Volumés Lent.			Volumes Added.		
	North Branch.	South Branch.	TOTAL.	North Branch.	South Branch.	TOTAL.
Theology	3,332	2,402	5,734	6	9	15
Natural Philosophy	2,648	2,541	5,189	6	7	13
Natural History	1,753	1,582	3,335	5	4	9
Science and the Arts	9,450	8,358	17,808	20	21	41
History and Biography	6,944	7,279	14,223	44	48	92
Topography and Antiquities	790	889	1,679	6	8	14
Voyages and Travels	5,210	5,117	10,327	16	15	31
Miscellaneous Literature	11,179	11,630	22,829	102	102	204
Jurisprudence, Law, and Politics	261	190	451	1	1	2
Commerce, and Political Economy	878	618	1,496	—	2	2
Education, Language, and Logic	1,685	1,113	2,798	5	1	6
Poetry and the Drama	1,226	1,040	2,266	8	6	14
Prose Fiction	149,886	146,603	296,489	179	178	357
Latin and Greek Classics	185	289	474	—	—	—
Books for the Blind	58	170	228	—	—	—
TOTAL	195,485	189,841	385,326	398	402	800

EVENING READING ROOMS.

The following Branch Evening Reading Rooms are open for the perusal of Magazines and Newspapers from 6 to 9.30 p.m. in the several Schoolrooms named below :—

Place.	Attendance.	Average per night.
Chatsworth Street Board School	31,258	102
*Low Hill School	14,330	47
Queen's Road Board School	17,323	57
Stanley Road Board School	30,535	100
Wellington Road School	23,466	77
Total	116,912	383

* The Low Hill Room being contiguous to the New District Library will be discontinued.

MUSEUM.

VISITORS TO MUSEUM.

	1889 (213 Days.)	1888 (214 Days.)
Total visitors in the year	282,559	291,754
Weekly Average	5,424	5,687
Daily Average	1,326	1,363

The Visits of Curators, Scientists and others interested in museums have been numerous, and included Mr. A. R. Wallace, Prof. Alfred Newton, F.R.S., of Cambridge, and Dr. Leidy, of Philadelphia, and several other American Professors on their way to the Paris Exhibition.

Several Art Students draw from the Statuary in the Great Hall diligently, and Medical Students work at the Osteological Section when studying for their degrees.

The Series of Lectures delivered on Monday evenings, to which reference has been made in the general report, have been fairly well attended. This being a new departure time must be allowed for their fuller development.

The Circulating School Cabinets continue to be in request, and are conducive to the more frequent visits in large numbers of scholars to the Museum. Many applications for the loan of these typical collections have been received for special purposes, and have been as freely granted, as also the loan of specimens for object lessons on the part of pupil teachers in connection with school examinations.

MONDAY EVENING LECTURES AND SUBJECTS.

MUSEUM ADDRESSES.

1889.

- Jan. 7th.—The Butterflies of the Deep (Pteropods, &c.), by Mr. F. P. Marrat.
- Jan. 14th.—On Sharks, by Mr. James Hornell.
- Jan. 21st.—The Horse and his Rider, demonstrated with the aid of skeletons, by Mr. G. F. Moore.
- Jan. 28th.—On Music in Bygone Times, by Mr. W. I. Argent.
- Feb. 4th.—Our Local Strata and their Fossils, by Mr. G. H. Morton.
- Feb. 11th.—On Minerals, and how to read them, by Mr. D. Clague.
- Feb. 18th.—On Starfishes, by the Rev. S. Gasking.
- Feb. 25th.—The Story of Rock Salt, by Mr. O. W. Jeffs.
- Mar. 4th.—On Illuminated Manuscripts, by Miss E. M. Wood.
- Mar. 4th.—On Fishes, by Mr. Richard Paden.
- Mar. 11th.—The Common Bat, by Mr. G. J. Hill.
- Mar. 18th.—On the Musical Instruments in the Mayer Collection, by Mr. W. I. Argent.
- Mar. 25th.—On Meteorites, by Mr. J. J. Fitzpatrick.
- Oct. 7th.—On Fishes, by Mr. Richard Paden.
- Oct. 14th.—On Cuttle Fishes, by Mr. F. P. Marrat.
- Oct. 21st.—On the Common Lobster, by Mr. G. F. Moore.
- Oct. 28th.—On the Babylonian and Assyrian Antiquities in the Mayer Museum, by the Rev. F. F. Grensted.
- Nov. 4th.—On Scorpions and Centipedes, by Mr. J. Chard.
- Nov. 11th.—On Musical Eyes and Ears, by Mr. W. I. Argent.
- Nov. 18th.—On Gold Nuggets, by Mr. A. Lutschaunig.
- Nov. 25th.—On Coal, by Mr. W. Hewitt.
- Dec. 2nd.—On Sea Cucumbers, by the Rev. S. Gasking.
- Dec. 9th.—On the Life History of the "Liver" Fluke, by Mr. R. McMillan.
- Dec. 16th.—On Sea Worms, by Mr. J. Hornell.
- Dec. 23rd.—On Silk and Silkworms, by Mr. Willoughby Gardner.
- Dec. 30th.—On Iron Ores, by Mr. D. Clague.

OPENING OF THE MUSEUM ON TUESDAYS.

From the commencement of its history the Museum has been open to the public four days in the week, and closed two days for the purposes of cleaning, arrangement, and the convenience of students, for whom the Library and Museum Act required one day to be specially set apart. Recently this arrangement has been altered by the Committee, the Public being admitted on Mondays, Tuesdays, Wednesdays, Thursdays, and Saturdays; Fridays only being reserved as a closed day. This arrangement will doubtless be appreciated by visitors.

PICTORIAL GROUPS.

The mounting of stuffed specimens in groups rather than on separate and isolated stands has been continued. The Cranes, Bustards, and Trumpeters have been so treated; also the Sheathbills, Boatbills, and other less known but marked forms of wading and swimming birds. Of these the Cranes are the largest and best known, and the following particulars may be of interest.

The Cranes are gregarious, and those inhabiting the Northern Hemisphere are eminently migratory. During their migrations they fly in V-like array like flocks of wild geese. They are mainly vegetable feeders.

They are remarkable for their shrill, clarion-like calls and for the singular grace and beauty of their movements. Especially noticeable for the elegance and orderliness of their deportment were the Stanley Cranes, so named after the 13th Earl of Derby. No one who saw them in their living state at Knowsley will forget their stately minuet-like dances accompanied by their own not unmusical voices on their lawn-like enclosures, and their jealous guard against interference by keepers or visitors.

The breeding of Cranes in confinement was not known until the Stanley Cranes bred at Knowsley. For fear of neglect on the part of the parent, the eggs were placed under the more reliable nursing of large domestic hens. This at first occurred so far on in the year that the young birds became distorted and bow-legged, owing to the increasing length of the autumn nights and the enforced cramped position for so many hours under their foster parents. Year by year, however, the Cranes laid earlier until at

last one young Crane nearly attained to maturity, only, however, to meet with an untimely end. Taking to its wings, it soared to a considerable elevation, only to alight with its legs thrust between the bars of an iron hurdle, breaking them, and so coming to an untimely and much lamented death.

CONTRIBUTIONS DESERVING SPECIAL NOTICE.

MR. ST. GEORGE LITLEDALE'S DONATION.

Mr. St. G. Littledale has for many years made valuable contributions to the Museum from the spoils of large game, shot by himself on his annual sporting trips to the Far West, to the Caucasus, and to Central Asia, in which he is always accompanied by his wife, who shares his interest in the Museum. From the Rocky Mountains he presented two specimens of the White Goat peculiar to that region; from the Caucasus specimens of Wild Goats, Ibex, and Stag; from the Pamir a perfect specimen of Marco Polo's Wild Sheep, of which no stuffed example was to be seen in any museum except at St. Petersburg; and from Eastern Siberia he sent bones and tusks of the Mammoth (*Elephas primigenius*).

At the recent Soirée, held in St. George's Hall by the Learned Societies of Liverpool, the opportunity was taken to bring these various contributions into one view. They filled the whole of the orchestra platform, were styled the "Littledale Trophy," and photographed as such in acknowledgment of Mr. Littledale's liberality and public spirit.

DONATIONS.

An important collection of Shells of the genus *Marginella*.

This collection was made by the late Mr. R. J. Keen, Ship Chronometer Maker of Liverpool, and was presented to the Museum by his daughter, Miss Edith Keen.

The shells of this Molluscan genus are mostly small in size, though numerous in species. They are remarkable for the extreme delicacy and beauty of their texture and colouring. They are of considerable

rarity, and much prized by collectors. The species occur most frequently on the coasts of Africa, from whence many of the above were dredged by Capt. Davies specially for his friend Mr. Keen.

Mr. F. P. Marrat has also contributed from his own cabinet a few interesting specimens of this genus.

A Portrait of the Rev. H. H. Higgins, M.A., Chairman of the Museum and Mayer Collection Sub-Committee, painted in oil, by Mr. R. E. Morrison, and exhibited by him in the 1889 Autumn Exhibition, at the Walker Art Gallery, was purchased by Thomas Higgin, Esq., F.L.S., and presented by him to the Corporation, with a request that it might be hung in some suitable place in the Museum, in order to identify it as much as possible with the arduous and invaluable services rendered by him so unsparingly in the interest of the institution.

Two living specimens of the Long-nosed Bony Gar Pike (*Lepidosteus osseus*) ; received in exchange from Mr. Eugene Blackford.

A dozen American Clams (*Venus mercenaria*) ; presented by Mr. H. D. Brandreth for the Aquaria.

A Collection of Fossils of Columnar Botryoidal, Concretionary and Radiated Forms from the Magnesian Limestones near Sunderland ; also a Fossil Fish (*Leptolepis*) from North America ; presented by Mr. R. Cameron.

A specimen of Hematite or Kidney Iron Ore, showing radiated structure, from Ulverston ; presented by Mr. T. Cooke.

A specimen of large Saw Fly, *Sirex gigas*, "caught on the River Conway" ; presented by Mr. T. Dutton.

223 specimens of British Beetles (*Coleoptera*) ; received in exchange from Dr. J. W. Ellis.

A specimen of Sponge, from Alexandria ; presented by Mr. Wm. Gass.

Five specimens of Minerals, viz. :—

Three large Crystals of *Cassiterite* (Oxide of Tin) from Poolamacca Station, Australia, from Tasmania, and from Cook District, N. Queensland. One specimen of Chloride of Silver, Barrier Range, Australia. One *Cerargirite* (Chloride of Silver), ditto. One Model of Gold Nugget ; presented by Mr. John Greenwood, Melbourne.

A small sample of Steam Coal, from the 9-foot seam, Coednant Colliery, Tondy, near Bridge End, Cardiff; presented by Mr. R. C. Lockett.

A drawer of Jaws and Teeth of Recent and Fossil Sharks, carefully labelled for Students. A specimen of Fluor Spar or Blue John, from Derbyshire (no longer found). A specimen of Argentiferous Galena or Silver Lead, from Bolivia, yielding 25 ounces of silver to the ton; presented by Mr. F. P. Marrat.

Two Beetles, from Lagos, West Africa; collected and presented by His Excellency Sir C. Alfred Moloney, C.M.G., Governor of Lagos.

Thirty-five specimens of twenty species of Shells; presented by Mr. S. Nowell, Junr. (for School Cabinets, &c.)

27 specimens of 5 species of Shells. 10 specimens of 10 species of Zoophytes. 2 Corals and 2 single Jaws of Port Jackson Shark, from Australia and New Guinea. Two specimens of Shells, *Cassis cornuta* and *Triton* (semi-fossil), and 1 Egg Case of Port Jackson Shark; recently collected and presented by Mrs. Ellen Parkinson.

A small collection of Minerals and Fossils, containing specimens of *Pecten giganteus*, *lamellosus*, *lens*, *vagans*, *Euomphalus sculptus*, *Lima gigantea*, *Pterozamites linearis*, *Ammonites*, *Chemnitzia*, *Goniomya*, *Asplenium*, &c., &c.; presented by Mr. Randall, on behalf of the Executors of the late John MacIver.

Sections of Spines of Echinoderms, mounted for microscopic examination; presented by Mr. Hardy from Spines supplied to him from the Museum.

A specimen of Spore Coal from Donibristle Colliery, Fife, N.B.; presented by Mr. R. Howse.

A Harlequin Duck, male (*Fuligula histrionica*, Linn) and a Richardson's Skua Gull (*Stercorarius Richardsonii*); presented by Mr. Arthur W. Jeffery.

A Seal and a Penguin, captured on the Coast of Chili, and a collection of Marine Invertebrates dredged on the voyage and accompanied by notes; presented by Capt. J. Griffith Jones, Barque Hermine, Associate Member of the Literary and Philosophical Society of Liverpool.

Two small slabs containing small Trilobites from the Upper Green (Cambrian) Slates of the Penrhyn Quarries. Bethesda; collected and

presented by Mr. Robt. Lloyd. Described by Dr. Henry Woodward, F.G.S. in the Quarterly Journal of the Geol. Soc. vol. 44, 1888, under the name of *Conocoryphe viola*, H. Woodward.

One specimen of Polybasite (Arsenical Sulphide of Silver); presented by Mr. A. Lutschaunig.

Specimens of Locust Eggs, from North Africa; presented by Mr. Eli Sowerbutt.

A living Trap-door Spider and Nest, from Bastia, Corsica, imported by Mr. Geo. H. Thompson; presented by Mr. Frederick Taylor.

A young white variety of the common Starling; presented by Mr. Albert Webb.

A Nightjar, *Caprimulgus europæus*, from Eccleston; presented by Mr. T. West.

Minor Donations have been presented by Mr. Coote Chambers, Victoria, British Columbia; by Mr. John Wilson, per Mr. J. Le Mesurier; Mr. T. West; and others taking an interest in Natural History.

LOAN.

The Rev. H. H. Higgins being desirous of affording to Students and others interested in Conchology the advantage of being able to refer to an extensive series, has deposited on loan his own collection of *Marginella* in the Museum.

PURCHASES.

A dwarf specimen of Indian Zebu Bull.

An immature specimen of Clouded Tiger Cat, *Felis macroscelis*, Temminck Habitat, Assam.

A mounted skeleton of a Guanaco, *Lama huanacos*; and a bisected and disarticulated skeleton of a common Cat, showing continuity of the spinal canal with the brain cavity.

The disarticulated skull of a young Walrus (*Trichechus rosmarus*), also a mounted skeleton of a large Amazonian Water Tortoise (*Emys Amazonica*).

The skin of a magnificent Fruit Pigeon, *Carpophago magnifica*, Temm, from Australia.

A Monitor Lizard, from Australia, and a large living Lizard (*Teguexin*), from the West Indies.

A living West African Mud Fish *Protopterus annectens*, from the River Gambia. As the dry season approaches, these fish bury in the mud, and become torpid. They are dug up in balls of clay, and so can be readily transported long distances, and on being placed in tepid water, the balls melt away and set the enclosed fish free, which immediately swims away at ease, and will feed readily on small living fish. This Mud Fish lived for several months, grew considerably, and was an object of much interest.

89 specimens of 24 species of selected Shells, including fine series of *Turbo Petholatus*, shewing remarkable richness and variety of colour patterns.

24 selected specimens of 11 species of Shells, of the family *Helicidae*.

One Shell (*Conus viridulus*).

One Shell, *Triton variegatus*.

One Shell, *Cypræa tigris*, very large.

Two Shells, *Harpa articularis*.

One Shell, Pearl Oyster, carved.

28 specimens of Fireflies and Silk Moths.

Fifty selected specimens of Butterflies and Moths, from Southern India.

23 specimens of Lepidoptera, from Fernan Vas, West Africa.

Specimen of Gum containing an Insect, *Cercopsis*.

A specimen of Orthoclase, Italy.

A specimen of Garnet, Barrat.

A specimen of Ozokerit, Calzien.

A specimen of Zincblende, Hungary.

Six Elementary Geological Models by Sopwith.

MAYER MUSEUM.

DONATIONS.

Group of Ethnographical specimens from the Indian tribes of Guiana, presented by Sir Charles Cust, Bart.

Rain Coat, made of plaited reed ; presented by Stewart H. Brown, Esq.

Block of Red Granite, sculptured on one side with a portrait head of King Rameses II. (12th Egyptian dynasty, about B.C. 1324-1219) ; and re-sculptured on the back with part of a processional subject instituted by King Osorkon II. (22nd Egyptian dynasty, about B.C. 995-847) ; presented by the Committee of the Egypt Exploration Fund in recognition of the richness of the Mayer collection in Egyptian antiquities.

Bronze Medal, commemorative of the opening of the Library and Museum ; presented by Mr. J. Leete.

Bow, Arrows, Adze, and Girdle-dress from N.E. New Guinea ; Club with stone head from New Britain and Spear from the Solomon Islands : presented by Mrs. E. Parkinson.

Eight Roman Coins, found at Corwen, N. Wales ; presented by Mr. G. H. Ball, c.c.

Seven Leases, quit claims and bonds, of the 15th and 17th centuries ; presented by Mr. J. Banner Newton.

Ivory War Horn and Horn Powder Flask, cased in red leather, from the Mandingoes ; a large Wooden Spoon, used for lading palm oil, from West Africa ; and a modern Eastern Dagger ; presented by Mrs. Randall.

Eight Copper Coins, principally Russian ; presented by Mr. M. Beck, Junr.

Bow, Spears, Arrows, and a Club, from the River Purus, Upper Amazon ; presented by Captain Bisson, S.S. "Ambrose."

An important figure of a Satyr, in white marble ; 13 Tear Bottles and two Lamps, from the ancient town of Cyzicus, Asia Minor, found and presented by Captain John Ferguson, s.s. "Aleppo."

Quiver and four Arrows, from Kikamba, Central Africa ; presented by Mrs. Mountfield.

PURCHASES.

Medicine case, lacquered ; netsukie attached, Japanese.

Two Japanese ivory netsuckies.

Three Wooden Trays, with inlaid designs in brass wire, Mynpuri, India.

Breast Ornament, New Guinea.

Wooden Figure and a Comb, New Guinea.

Capo-di-Monte, Porcelain Vase.

Certificate of Burial, of one Margaret Forrest, in 1688, stating that she "was not put in, wrapt round or buried in any shirt, sheet, shift, or shroud made or mingled with Flax Hemp," but only in such garments as were made of sheep's wool, according to the Act of Parliament. Found in an old tree in Hawkshead Churchyard, Lancashire.

Maori Wood-carving, formerly part of a whare or house in an old Pa, Te Rapa, Lake Taupo, New Zealand. The carving is said to represent the God Tu Wharatoa, who slew the Dragon Taniwha. The Pa, Te Rapa was buried in a landslip in 1846, together with the celebrated Chief Te Heuheu and 60 natives. The carving was dug out of the ruins.

Hippopotamus Tusk, carved with figures, from West Africa.

Horn Snuff Box, with three long prongs for sticking in the hair; Kaffir, South Africa.

Large old Chinese purple-glazed Vase.

Specimens in many departments of the Museum are now so numerous as to require more than the space available for their public exhibition. Many ethnographic illustrations have to be put by in drawers and cases, where they can only be seen by students. Somewhat less than two years ago the Museum Sub-Committee determined to arrange for the better display of these exhibits by placing groups of them for short periods of time in succession, in table cases to be provided in the central hall of the Institution. This design has been put into practice, with satisfactory results

WALKER ART GALLERY.

During the year the Gallery has been open on 292 days, and closed for cleaning and other purposes on 21 days. The total number of visitors was 425,239 or a daily average attendance of 1,456. Included in the above are 62,942 visitors who paid for admission to the Autumn Exhibition, and 10,000 pupils of the schools of various denominations admitted free, and 12,280 visitors on the last four Saturday evenings, when free admission to the Exhibition was granted by resolution of the City Council.

The chief events of the year in connection with the Gallery have been the Exhibition of Decorative and Applied Art, and the Autumn Exhibition of Modern Pictures in Oil and Water Colours.

It was originally intended to hold an exhibition of Decorative Art in connection with the Art Congress, held in December, 1888, but the whole of the rooms being then occupied with the various sectional meetings, the project was deferred until the Spring of 1889, when it was carried out on a very extensive scale, and proved to be one of the largest and most comprehensive Exhibitions of Arts and Crafts ever brought together. It was opened on the 30th March, by His Worship the Mayor, E. H. Cookson, Esq., and closed on July 19th. Notwithstanding the fact that an Exhibition of such a character was not likely to attract the public generally in large numbers, the result proved very satisfactory, and a balance of profit remained after defraying all expenses. The Exhibition comprised the choicest examples of Fictiles, Decorative Painting and Design, Wall Papers, Metal Work, Stone and Wood Carving, Stained Glass, Table Glass, Printing, Bookbinding and Furniture, besides a large and important contribution from South Kensington Museum, which included rare examples of Modern Furniture and electrotype Reproductions of Old Royal Gold Plate. There were also included some rare Cabinets, Chairs, Coffers, and Tapestry of the 16th Century.

The failure of the negotiations for the purchase, by the Committee, of the picture "Captive Andromache," by Sir Fredk. Leighton, Bart., P.R.A., threatened, at one time, to render the holding of the usual Autumn Exhibition a matter of doubt. But this was happily averted, and the usual preparations were made in the Spring, which resulted in the holding of an Exhibition quite as large and important as any of its predecessors. The Committee regard the attendance and the financial outcome as in every way satisfactory.

The Committee lent the following Pictures during the year :—

To the British Fine Art Section of the Paris Universal Exhibition :—

"Samson," by Solomon J. Solomon.

"Pelagia and Philammon," by Arthur Hacker.

"When the Children are Asleep," by Thomas Faed, R.A.

"Rival Grandfathers," by John R. Reid.

"The White Lady of Nuremberg," by Wyke Bayliss, P.R.B.A., and

"Hard Times," by Frederick Brown.

The following pictures were lent for Exhibition at the Leeds Municipal Art Gallery:—"The Ante-chamber at Whitehall during the Last Moments of Charles II.," by E. M. Ward, R.A., and "Wintry March," by W. L. Picknell.

The Committee also contributed to the Annual Exhibition of the Royal Hibernian Academy, Dublin, a picture entitled "The Trial of the Earl of Strafford," by W. Fisk.

The following works have been deposited on loan:—"By Brink of Cooling Stream," by Thomas Riley (oil); "The Magdalene," attributed to Correggio (oil); "The Bull Fight," by Auguste Bonheur (oil); "The Adoration of the Magi," by Schiavone; and a Marble Group, "Cupid captured by Venus," by Giovanni Fontana.

The Committee have entered into an arrangement for letting rooms in the Gallery to the Doré Gallery, Limited, for an exhibition of some of the principal works of Gustave Doré, which promises to be extremely interesting and attractive to the public.

ADDITIONS TO THE PERMANENT COLLECTION BY PURCHASE.

The following pictures were purchased from the Liverpool Autumn Exhibition:—

"A Venetian Faction Regatta—Nicolotti v. Castellani," by W. H. Bartlett (oil).

"From Green to Gold," by Yeend King, R.I. (oil).

"Strangers in a Strange Land," Albert Starling (oil).

"Finishing Touches," by W. Brint Turner (oil).

"Nature's Cathedral Aisle," by James T. Watts (water colour).

Purchased from the Artist:—

Posthumous Portrait of the late Sir James Allanson Picton, F.S.A., by R. E. Morrison (oil).

DONATIONS TO THE PERMANENT GALLERY.

"Jeanne D'Arc," by Harold S. Rathbone ; presented by the Artist, (oil).

"Jepthah," by Miss Jessie Macgregor, a Commission picture ; presented by friends of the Institution to the Corporation (oil).

"Ready for Cutting," by George Lance ; presented by the Artist's daughter, Mrs. Alfred Bower, widow of the late Alfred Bower, Esq., of Liverpool (oil).

Original Model (bronzed) of the "Tinted Venus," by J. Gibson, R.A. Also Models (Bronzed) of "Lesbia" and "The Suppliant Mother," by Henry Weekes, R.A. ; presented by Messrs. Elkington & Co.

Second Volume of Reproductions of Early German Prints ; presented by the Trustees of the British Museum.

AUTUMN EXHIBITION OF PICTURES.

	1889.			1888.				
		£	s.	d.		£	s.	d.
Number of Pictures and other Works of Art Exhibited	1,560				1,412			
Number of Pictures sold	184				168			
Amount realized by sales		8,083	3	6		6,461	6	0
Season Tickets sold	2,481	432	11	6	2,172	384	1	0
Admissions at One Shilling ..	29,504	1,475	4	0	29,465	1,473	5	0
„ Sixpence	23,535	588	7	6	24,938	623	9	0
„ Threepence	7,422	92	15	6	14,925	186	11	3
Catalogues sold	19,635	524	9	6	19,472	524	17	6
Commission on sales		283	10	6		268	16	9
Miscellaneous Receipts		75	2	7		40	3	3
Total Receipts, exclusive of sales ..		3,472	1	1		3,501	3	9

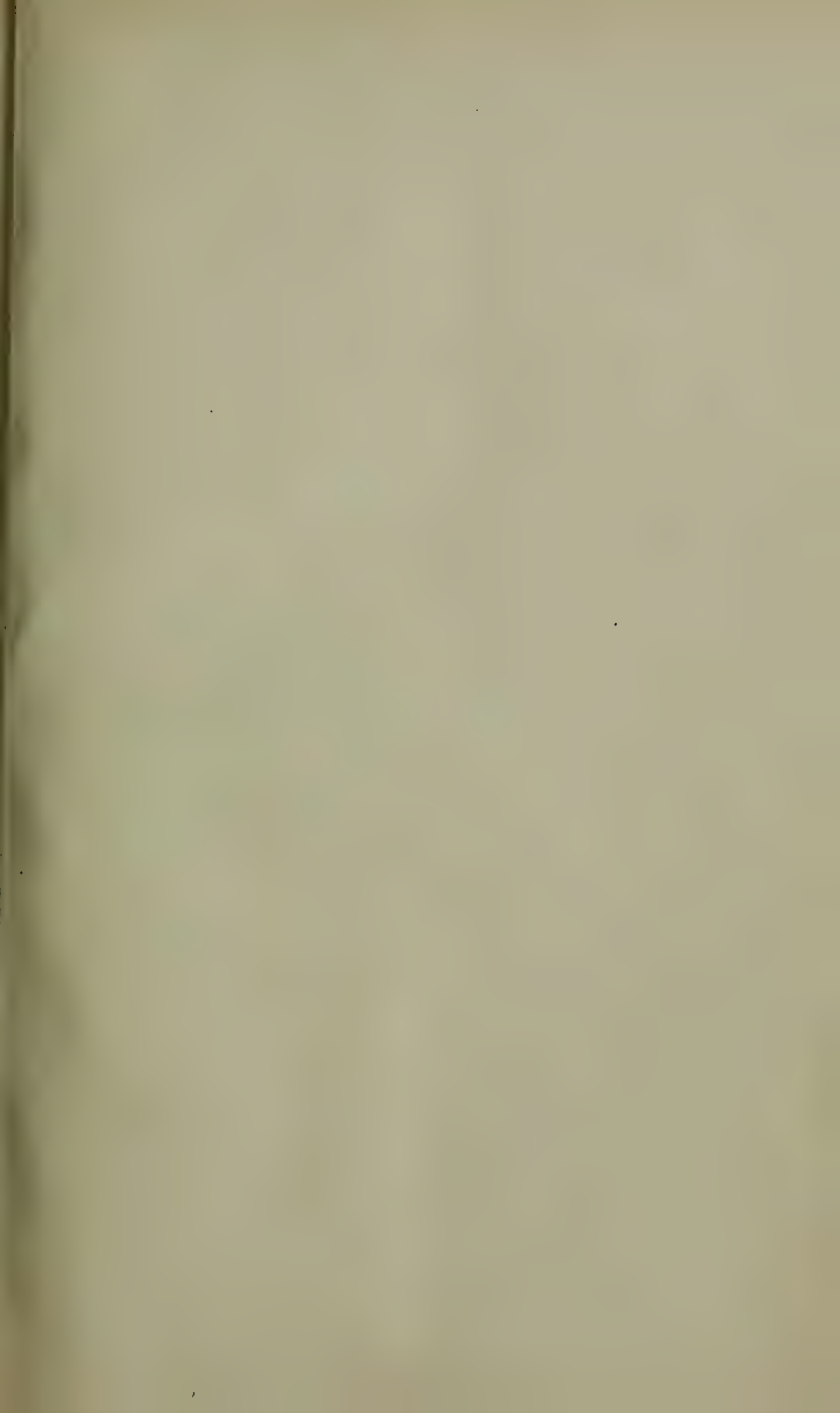
TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 19 YEARS, FROM 1871 TO 1889.

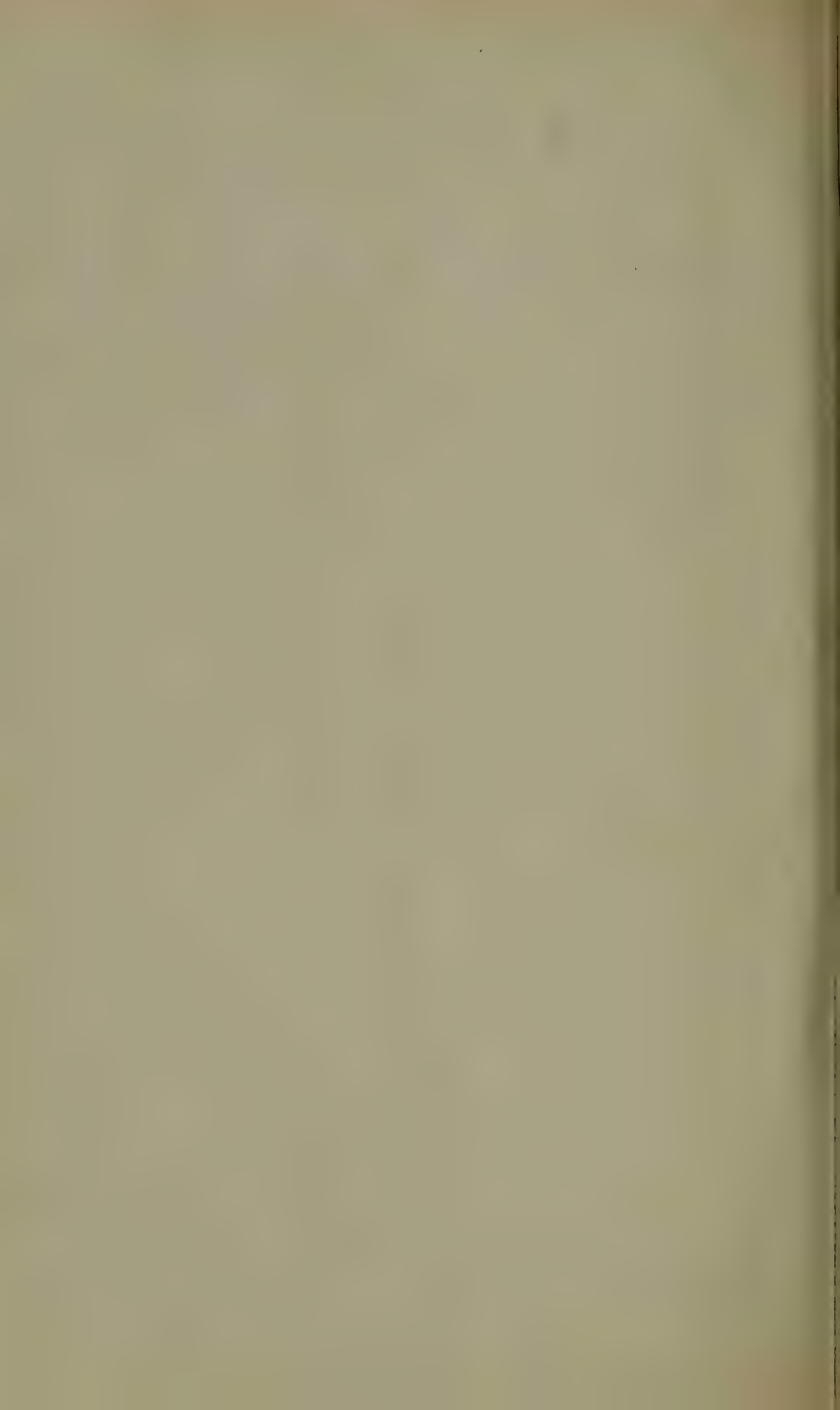
30

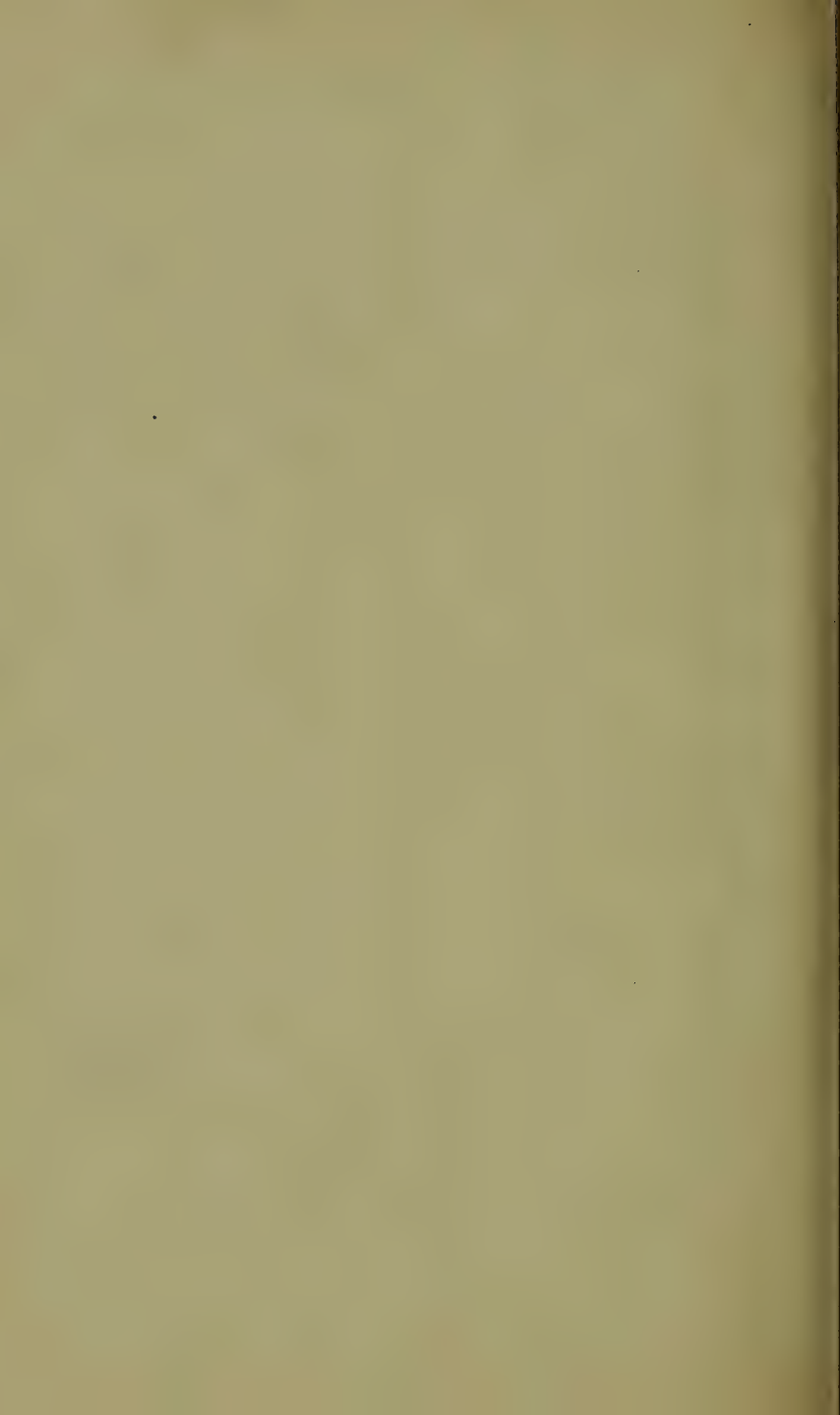
Year.	ADMISSIONS.			Season Tickets.		Catalogues Sold.		Commission on Pictures Sold.		Miscellaneous Receipts.		Total Receipts.		Pictures Sold.		
	One Shilling.	Sixpence.	Threepence.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	No.	£ s. d.	No.
1871	720 16 0	...	207 14 6	62 2 0	165 10 0	320 18 6	46 4 4	1,523 5 4	235	6 395 2 6				235	6 395 2 6	
1872	601 5 0	175 9 6	48 2 6	59 6 6	168 0 6	312 6 0	3 18 3	1,368 8 3	242	6 231 4 6				242	6 231 4 6	
1873	665 18 0	...	229 10 3	96 8 6	199 17 6	371 17 0	2 10 0	1,566 1 3	271	7 402 17 5				271	7 402 17 5	
1874	854 16 0	...	241 13 3	151 16 6	247 0 6	479 0 3	2 7 0	1,976 13 6	337	9 514 13 0				337	9 514 13 0	
1875	972 13 0	77 17 6	237 14 0	210 7 0	279 14 3	617 3 0	11 9 2	2,406 17 11	345	12 299 18 6				345	12 299 18 6	
1876	1,118 0 0	86 9 6	232 7 6	221 1 0	301 12 0	440 15 3	9 10 7	2,409 15 10	255	8 867 10 0				255	8 867 10 0	
1877	1,928 12 0	...	419 3 3	443 14 0	454 10 1	537 11 2	18 4 2	3,801 14 8	301	10 963 11 0				301	10 963 11 0	
1878	1,964 17 0	330 9 6	423 5 0	598 14 6	562 8 6	237 13 0	142 0 4	4,189 7 10	235	6 225 14 0				235	6 225 14 0	
1879	1,516 12 0	212 1 6	378 11 9	566 7 6	504 9 3	364 16 0	7 17 0	3,550 15 0	267	9 159 15 0				267	9 159 15 0	
1880	1,449 11 0	274 4 6	439 19 6	499 16 0	509 7 3	544 3 3	10 17 7	3,727 19 1	271	11 763 7 6				271	11 763 7 6	
1881	1,434 15 0	289 4 6	376 4 6	475 14 0	468 19 9	523 7 6	15 9 6	3,583 14 9	315	12 210 11 0				315	12 210 11 0	
1882	1,430 3 0	299 3 6	332 16 0	476 1 0	472 14 6	362 8 9	23 1 11	3,396 8 8	311	7 868 3 6				311	7 868 3 6	
1883	1,302 1 0	273 8 0	304 17 3	381 3 6	434 15 9	403 13 0	32 6 10	3,132 5 4	226	8 472 10 6				226	8 472 10 6	
1884	1,966 12 0	555 0 6	519 14 3	649 7 6	599 13 3	432 6 3	87 7 5	4,790 1 2	291	12 313 7 6				291	12 313 7 6	
1885	1,317 9 0	366 9 0	344 10 0	501 7 6	481 7 9	353 17 0	44 1 10	3,409 2 1	196	8 028 8 6				196	8 028 8 6	
1886	1,147 1 0	397 14 0	333 15 9	392 10 6	434 9 0	336 13 9	36 19 7	2,989 3 7	224	8 576 18 0				224	8 576 18 0	
1887	888 15 0	389 18 6	260 0 0	216 4 0	371 2 3	185 3 9	18 11 0	2,329 14 6	181	4 791 19 0				181	4 791 19 0	
1888	1,473 5 0	623 9 0	186 11 3	334 1 0	524 17 6	268 16 9	40 3 3	3,501 3 9	168	6 461 6 0				168	6 461 6 0	
1889	1,475 4 0	588 7 6	92 15 6	432 11 6	524 9 6	233 10 6	75 2 7	3,472 1 1	184	8 083 3 6				184	8 083 3 6	
Total	24,228 5 0	4,919 6 6	5,609 6 0	6,658 14 0	7,704 19 1	7,376 0 8	628 2 4	57,124 13 7	4,855	165,620 1 0				4,855	165,620 1 0	



15 JUL. 1898







THIRTY-EIGHTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY,
OF THE
CITY OF LIVERPOOL,
FOR THE YEAR ENDING 31st DECEMBER, 1890.



LIVERPOOL:
J. R. WILLIAMS & CO., PRINTERS, 8, SCHOOL LANE.
1891.

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COMMITTEE AND OFFICERS

FOR THE YEARS 1890-91.

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Sub-Librarian :

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THOMAS J. MOORE.

Conchologist, Mineralogist, &c. :

F. P. MARRAT.

Curator of the Walker Art Gallery :

CHARLES DYALL.

GENERAL REPORT.

IN presenting the Annual Report of the Library, Museum, and Arts Committee, the opportunity is afforded, not merely to place before the Council the statistical facts which tell of the magnitude and completeness of the work done by this noble and remarkable group of Institutions, but it also enables us to consider the value of that work, and to estimate its moral and intellectual influence upon the well-being of this great community.

To fully appreciate this we have to recognise the changed and changing principle upon which society has now its basis—to quote the words of a great Statesman, “As civilization has gradually progressed it “has equalised the physical qualities of man. Instead of the strong arm “it is the strong head that is now the moving principle of society. You “have disenthroned Force and placed on her high seat Intelligence, and “the necessary consequence of this great revolution is, that it has become “the duty and delight of every citizen to cultivate his faculties. “Knowledge is no longer the lonely eremite affording a chance and “captivating hospitality to some wandering pilgrim, knowledge is now “found in the market place a citizen and a leader of citizens.” It is difficult to express in a few sentences how far these institutions are realizing this great mission of civilisation and enlightenment ; but if we consider that the 11,269 readers at our lending libraries represent so many foci of intellectual culture, that the 108,591 readers at our reading rooms as an army of seekers after knowledge and literary recreation, and a portion only of the 196,119 readers in the Picton Reading Room as serious students, we have suggested to us some idea of the extent of intellectual work now carried on. The moral effect of such work cannot be better expressed than in the words of Sir John Herschel : “It is “hardly possible but the character should take a higher and better tone “from the constant habit of associating in thought with a class of thinkers, “to say the least of it, above the average of humanity. It is morally “impossible but that the manners should take a tinge of good breeding “and civilization from having constantly before one’s eyes the way in “which the best bred and the best-informed men have talked and

“conducted themselves in their intercourse with each other. There is a gentle but perfectly irresistible coercion in a habit of reading well directed, over the whole tenor of a man’s character and conduct, which is not the less effectual because it works insensibly and because it is really the last thing he thinks of.”

We notice a tendency to undervalue the possession of a great Reference Library, because it is largely used by the educated and those who can afford to purchase their own books. A Reference Library worthy of the name should contain every book of repute written upon every subject ; and if a Library is to maintain its efficiency, its shelves must every year receive the addition of all recognised standard publications. It therefore furnishes students with books of reference which they cannot obtain in any other way, and it is very gratifying to note how largely our Reference Library is availed of by the clergy, teachers, students, journalists and others, whose object is to weave the materials they thus collect into a form which will instruct and entertain the people of the city, and thus, directly or indirectly, every citizen can derive benefit from them.

We may also venture to hope that the existence of our Library will do something towards promoting the pursuit and love of literature in our midst, and the formation of a literary society ; that Liverpool may some day be as eminent in literature and in the fine arts as she is in commerce may be an extravagant expectation, but there can be no reason why she should not take a prominent position ; and certainly it is our duty, while following the engrossing pursuit of commerce, not to neglect the higher claims of culture and education.

We cannot forget that some of the most splendid works of literary genius, and the most admirable discoveries of scientific investigation, have been produced by the leisure studies of men engaged in commercial pursuits ; it is sufficient to mention such names as Priestley, Franklin, Ricardo, Grote, Mill, Trollope, and in Liverpool we have the example of William Roscoe.

We also observe a disposition to underestimate the usefulness of our Lending Libraries and Reading Rooms, because the popular demand is for works of fiction, periodicals, and newspapers. Very little consideration will show that this demand is a natural one and its supply a necessity forced upon us by the advance in the general standard of education.

Probably one of the most striking facts of our epoch has been the remarkable diminution in crime and pauperism, corresponding with the march of education. An eminent man of science lately affirmed that education, upon which the country now spends annually ten millions sterling, costs the nation practically nothing, as since the passing of the Education Act, the whole sum and more is annually saved in our expenditure upon criminals and paupers.

But while education has thus happily curtailed and controlled man's propensity for evil, in the words of the Latin poet "*Emollit mores nec sinit esse feros*"—it civilizes the conduct of men, and suffers them not to remain barbarous; it has also set up and created an intellectual appetite which must be satisfied, or else the intellect loses its power of application, and also loses its restraining and controlling influence.

When, therefore, this country happily adopted a scheme of National Elementary Education it committed itself, and equally every municipality, to the supply of adequate means by which the people can make use of their intellectual faculties, and can continue the education begun in the school, or make use of it for the purpose of recreation. Thus Free Libraries, Museums, and Art Galleries have ceased to be merely the resorts of the cultured, but have become the gathering places of the people. They are no longer merely the repositories of books of standard authors and articles of virtu and high art; they must also satisfy our new social conditions and minister to the intellectual entertainment of the masses.

Viewed in this light the demand for works of fiction, magazines, and newspapers is not surprising, and it is one which ought to and must be met, for while this light literature satisfies the craving of the intellect for occupation, it is in itself a valuable means of education, and one which, no doubt, often serves as a stimulus and incentive to reading of a more serious character.

The Committee appreciate very fully their duty in this direction. The addition of the East Library and Reading Room during the year places another popular library at the disposal of the community, and its advantages have been freely availed of.

The Museum continues to be a source of attraction and much interest. A popular lecture has been given every Monday evening in the galleries,

in which some one group of the collection has been described. These lectures have been well attended. The Committee regret that they have had no funds to expend upon specimens or objects of art. The Museum, though in many respects complete, still requires the addition of some links to connect various groups in the Natural History department.

The Autumn Exhibition still maintains its great prestige among provincial exhibitions. The high class of the works exhibited, the attendance of visitors, and the sales of pictures, have all been most satisfactory.

The Free Courses of Lectures continue to be much appreciated. The lectures delivered have been of great merit and interest, and the audiences have uniformly been large and very attentive.

The amount of popular intellectual entertainment and instruction thus provided by the Committee no doubt leads up to the increased use of the Library and Museum by creating an interest in the subjects upon which the lecturers discourse.

Taking our Institutions as a whole they form a unique group, and whether we regard them from the excellence and completeness of the collections of which they are the depositories, or the educational and literary work conducted within their walls, they claim equally the admiration and liberal support of our citizens; and while they contribute largely and over a very wide area to the happiness and well-doing of the people, they are not the less valuable to the increasing number of men of culture and education.

WILLIAM B. FORWOOD,
CHAIRMAN.

REFERENCE LIBRARY.

REFERENCE LIBRARY :—This Library includes the Brown Library and Reading Room and the Picton Reading Room. Connected with it are two lecture halls and several class rooms. Besides the ordinary work of this Library, which includes the delivery during the Autumn and Winter months of several courses of free lectures in the cause of general education, accommodation is found in its small lecture hall and class rooms for the meetings of various small learned societies and for the holding of science and art classes under the direction of the Liverpool School of Science.

The Brown Reading Room is assigned for the perusal of popular literature. The principal London, local and other provincial papers are available there, magazines of a varied and entertaining character, and a selection of the best works in English prose fiction. There is also unrestricted access to some 70 county, city, and town directories. In a commercial city like Liverpool, where there are always so many strangers, the directories in this room prove a great convenience and source of attraction. In the book room of the Brown Library are found the specifications of patents for inventions, which may be examined at pleasure. The following statistics of the issues and attendances in this part of the library during the past year, shew that the advantages afforded by the institution still retain a firm hold on public favour and appreciation :—

Visitors to the Newspapers	...	...	...	...	175,440
Monthly and Weekly Magazines, &c., issued	...				153,028
Illustrated Papers issued in volumes ("The Graphic," "Illustrated London News," "Punch," &c.)	...				83,763
Directories	...	...	...	...	72,500
Specifications of Patents for Inventions	...				15,287
Volumes of Prose Fiction	...	...	...	...	157,137

The decrease shown by the above figures, compared with those of last year, arises from the Brown Reading Room having been closed for 22 days for painting and cleaning.

The Picton Reading Room, called so in honour of the late Sir James A. Picton, who for nearly forty years was Chairman of this Institution, is set apart as a student's room and for literary research and inquiry. No restriction is placed upon the number of volumes a reader may require, and facilities are given by the provision of pens and ink for making notes and extracts from the books. Two large globes and various important atlases are placed in the room for easy reference, and near the entrance will be found some 180 scientific and literary magazines, reviews, &c., to which readers have free access. The issue of novels is confined to the Brown Reading Room. The total issue of books for reference and study has been 191,071 volumes, being an increase of 10,181 volumes. The reviews and other scientific and

literary periodicals issued number 116,618, showing an increase of 5,475. This makes the total issue of books and periodicals in the Reference Library 307,689.

TABLE.—Showing the number and classification of works contained in the Library.

Classification.	Volumes.
Theology, Morals, &c.	7,213
Natural Philosophy, Astronomy, &c.	2,332
Natural History	5,338
Science and the Arts	11,277
History and Biography	12,391
Topography and Antiquities	5,259
Voyages and Travels	5,182
Miscellaneous Literature (principally collected Works, Essays, Reviews, Societies' Proceedings, &c., in volumes)	23,240
Jurisprudence, Law, and Politics	7,851
Commerce, Political Economy, &c.	1,504
Education and Language	1,558
Poetry and Dramatic Literature	3,977
Prose Fiction	5,363
Latin and Greek Classics and Translations	938
Encyclopædias and Works of General Reference	3,266
Total	96,689

Comparative Statement of issues in the Picton Reading Room, 1889-90.

Classification.	1890.	1889.	Increase 1890.	Decrease 1890.
Theology, Morals, &c.	18,283	16,696	1,587	...
Natural Philosophy, Astronomy, &c.	16,244	15,650	594	...
Natural History	7,546	7,834	...	288
Science and the Arts	28,450	25,487	2,963	...
History and Biography	19,117	18,440	677	...
Topography and Antiquities	7,391	6,646	745	...
Voyages and Travels	9,822	9,694	128	...
Miscellaneous Literature	36,503	34,200	2,303	...
Jurisprudence, Law, and Politics	4,284	4,902	...	618
Commerce, Political Economy, &c.	4,265	3,761	504	...
Education and Language	6,540	6,845	...	305
Poetry and Dramatic Literature	10,479	10,239	240	...
Latin and Greek Classics	3,275	3,679	...	404
Encyclopædias, &c.	18,872	16,817	2,055	...
Totals	191,071	180,890	11,796	1,615

The following Periodicals, Newspapers, &c., have been presented regularly by the respective Publishers :—

Amateur Photographer	In His Name
Anglo-American Times	Invention
Art and Literature	Inventor
Assure	Irish Times
Athletic Times	Isle-of-Man Examiner
Australian Standard	Jewish Standard
Bible Advocate	Journal of the Clerk of Works' Association
Blackpool Herald	Journal of the Royal Statistical Society
Bootle Times	Liberal Unionist
Brewers' Guardian	Light
British and Colonial Printer and Stationer	Literary News
Builders' Weekly Reporter	Liverpool Brewers' and Victuallers' Journal
Building World	Liverpool Catholic Times
British Temperance Advocate	Liverpool Citizen
British Woman's Temperance Journal	Liverpool Courier (daily and weekly)
Cambridge Examiner	Liverpool Echo
Canadian Patent Office Record	Liverpool Express
Cape Argus	Liverpool Halfpenny Weekly
Church Missionary Gleaner	Liverpool Journal of Commerce
Church Missionary Intelligencer	Liverpool Mercury (daily and weekly)
Church Missionary Juvenile Instructor	Liverpool Porcupine
Church Monthly	Liverpool Post (daily and weekly)
Child's Guardian	Liverpool Programme
Civil Service Competition	Liverpool Review
Civil Service Times	Liverpool University Magazine
Clerks' Journal and Quill	Liverpool Y.M.C.A. Journal
Cohen's Journal	Llandudno Advertiser
Colonies and India	Machinery Market
Corcord	Manufacturer
County Council Gazette	Manufacturer and Builder
Day of Days	Medium
Eastbourne Review	Miller
Eastbourne Standard	Mona's Herald
Educational Times	Money
Electrical Review	Montreal Weekly Witness
Electrician	Musical Herald
Empire	National Society of Professional Musicians : Monthly Journal
Englishwoman's Review	Nature Notes
Entomologists' Record	New Church Magazine
Fair Play	Oddfellows' Magazine
Financial News	Office, The
Financial Reformer	Official Journal of the Patent Office
Fireside	Oxford Chronicle
Fireside News	Pearson's Weekly
Good Health	Personal Rights Journal
Gossip	Pitman's Musical Monthly
Grocers' Review	Practical Patentee
Gwalia	Practical Photographer
Hand and Heart	Present Truth
Herald of Health	Preston Herald
Hereford Times	Printers' Register
Homœopathic World	Provincial News
Home Words	
Imperial Federation	

Public Health
 Railway Review
 Refreshment News
 Research
 Richmond and Twickenham Times
 Script Phonographic Journal
 Shipping World
 Vegetarian Messenger
 Warrington Observer
 Warwickshire Herald
 Western Daily Press
 Western World

Woman's Suffrage Journal
 Worcestershire Herald
 Zoophilist
 Sloan-Duployan Phonographic Journal
 Specialities
 Stonyhurst Magazine
 Sunday Closing Reporter
 Sunday Times
 Trade Marks Journal
 Two Worlds
 University Correspondent
 Vaccination Inquirer

DONATIONS.

BRITISH MUSEUM TRUSTEES :—

Publications of the British Museum, viz. :—The Book of the Dead ; Catalogue of Birds, vols. 13, 15, and 18 ; Catalogue of Books printed in Iceland, 1578-1880 ; Catalogue of the Cuneiform Tablets in the Kuynjunjik Collection of the British Museum, by C. Bezold, vol. 1 ; Catalogue of the Fossil Reptilia and Amphibia, by Richard Lydekker, vols. 3-4 ; Catalogue of the Greek Coins : Pontus, Paphlagonia, Bithynia, and the Kingdom of Bosphorus, by Warwick Wroth ; Catalogue of Oriental Coins, vol. 9 ; Catalogue of Printed Books, 23 vols. ; A Guide to the Department of Geology and Palæontology, 2 vols. ; A Guide to the Mineral Gallery.

LÉON, MISS J. :—

The art of Refining and Manufacturing Sugar, by John Léon.

LONDON, CORPORATION OF THE CITY OF :—

Calendar of Wills proved and enrolled at the Court of Husting, London, vol. 2 : 1358-1688.

MOORE, REV. W. BRAMLEY :—

Plans of the Borough of Liverpool from the Actual Survey, by James Newlands, C.E. ; Plans of Liverpool and the Pool as it appeared about the year 1650.

PHILIP, SON, AND NEPHEW, MESSRS. :—

The Ordnance Survey of England and Wales (in seven Morocco Drop Cases).

STEENSTRAND, WILLIAM :—

Shakespear's True Life, by James Walter.

OTHER Books and Pamphlets, Reports, &c., have been received from the following donors, for which the Committee again beg to express their grateful acknowledgments :—

Rev. Thomas Allin ; Ernest Axon ; W. E. A. Axon ; Colonial Secretary of Barbados ; Charles H. Beloe ; Messrs. Bell & Sons ; John S. Beer, F.S.A.S. ; Charles Birchall ; Birkenhead Literary and Scientific Society ; Birmingham Free Libraries ; Herbert L. Booth ; Boston Public Library ; Lewis H. Boutell ; James L. Bowes, Japanese Consul, Liverpool ; Bradford Public Free Libraries ; Messrs. Bright & Son ; British Association for the Advancement of Science ; Bristol Free Public Library ; Brooklyn Library, New York, U.S.A. ; T. B. Browne ; Richard Bullman, Consul of Costa Rica ; Bureau of Ethnology, Washington, U.S.A. ; T. N. Brushfield, M.D. ; Cambridge Free Library ; Cambridge University Press ; Cambridge University Correspondence College, London ; Geological and Natural History Survey, Canada ; Canadian Government (per Sir Charles Tupper) ; Hugh Caraher ; Messrs. Cassell & Co. ; Alfred Castellain, J.P. ; Catholic Publishing Depôt, Liverpool ; Patrick Chalmers ; Chelsea Public Libraries ; Chicago Board of Trade ; Chicago Public Library ; Church Missionary Society, London ; Cincinnati Museum Association ; Cincinnati Public Library ; Charles E. Clegg ; Messrs. Clowes & Son ; Frances P. Cobbe ; Cobden Club ; Messrs. Cope Brothers & Co. ; Cornell University, Ithaca, U.S.A. ; Edward S. Craston ; Crown Agent for the Colonies, London ; Robert N. Cust ; John T. Danson ; Richard C. Davies ; Alexander Del Mar, C.E. ; Proprietors of the "Dublin Freeman's Journal" ; Dublin University ; Durham University ; Arthur Earle ; East London Institute for Home and Foreign Missions ; Edinburgh Public Library ; Mrs. Edmonds ; Frederick W. Edwards ; Messrs. Edwards & Co. ; John W. Ellis, M.B., F.E.S. ; Enoch Pratt Free Library, Baltimore, U.S.A. ; Francis Fisk ; George E. Foster, Minister of Finance, Ottawa, Canada ; John Fox, L.I.P.E. ; John Frowde, Librarian, Free Library, Barrow-in-Furness ; A. C. Fryer ; General Society of Mechanics and Tradesmen, New York, U.S.A. ; Glasgow Athenæum ; Glasgow and West of Scotland Technological College ; Messrs. Glover & Son ; W. N. Greenwood, F.R.M.S. ; James Hakes ; William A. Harris, F.R.S.S.A. ; W. F. Hart ; Harvard College Museum, Cambridge, Mass., U.S.A. ; Henry Hill ; M. S. Hill, Musical Society ; Historic Society of Lancashire and Cheshire ; Historic Society of Pennsylvania ; Howard Association ; J. B. Howard ; E. Howarth, F.R.A.S., Curator, Sheffield Public Museum ; Rt. Hon. the Secretary of State for India ; Institute of Civil Engineers ; Institute of Mechanical Engineers ; Irish Loyal and Patriotic Union ; Luis Jackson ; R. H. Johns ; Joint Education Committees of North Wales and Monmouthshire ; John Keefe, F.R.C.S., F.Sc. ; Thomas Kerslake ; Kirkdale Voluntary Industrial Day (Ragged) School ; Lancashire and Cheshire Entomological Society ; Samuel Laing ; Miss Langley ; Thomas Laurie ; Messrs. C. & E. Layton ; Charles H. Leet, F.R.C.S. ; The Leigh Browne Trustees ; G. B. Lennard ; Library Reports from various Libraries ; The Linen Hall Library, Belfast ; Liverpool Institutions, Societies, &c. :—Amateur Photographic Association. Architectural Society. Association for the Promotion of Technical Education. Auxiliary Bible Society. Auxiliary to the Army Scripture Readers' and Soldiers' Friend Society. Blue Coat Hospital. Catholic Reform Association. Central Relief and Charity Organization Society. Liverpool Certified Industrial Schools. Chemists' Association. Church of England Scripture Readers' Society. Church of England Sunday School Institute. Clerks' Association. Council of Education. Engineering Society. Geological Association. Horticultural Association. Literary and Philosophical Society.

Medical Institute. Microscopical Society. Naturalists' Field Club. Orphan Asylum. Penny Savings Bank. Polytechnic Society. Royal Society for the Prevention of Cruelty to Animals. Savings Bank. School Board. School of Science. School Ship "Conway." Science Students' Association. Seamen's Friend Society. Self-Help Emigration Society. Shipwreck and Humane Society. Sunday Society. Training Ship "Indefatigable." University College; Messrs. Lockwood & Son; Thomas McCracken; Messrs. Maclure, Macdonald, & Co.; Robert McMillan; Lieutenant McNab, R.N.R.; Charles Madeley, Librarian, Free Library, Warrington; Manchester Geological Society; Manchester Microscopical Society; Manchester Statistical Society; Messrs. Marples & Co.; Frederick P. Marrat; Mercantile Library, New York; Mercantile Library, Philadelphia; Mercantile Marine Service Association; Mersey Docks and Harbour Board; Mersey Mission to Seamen; Meteorological Offices, London; Thomas L. Miller, A.M.I.C.E.; Milwaukee Public Museum; Francis Minton; J. C. Morley; Mrs. Frank Morrison; Victor Nathan; National Academy of Sciences, Washington, U.S.A.; National Association for the Promotion of Technological Education; National Footpath Preservation Society; National Library, Buenos Aires; J. Birkbeck Nevins, M.D.; New South Wales Government; The Proprietor, New Theatre Royal, Liverpool; J. E. Nightingale, F.S.A.; University College of North Wales, Aberystwyth; University College of North Wales, Bangor; The Commissioners of the Norwegian and North Atlantic Expedition; Nottingham Free Public Libraries; Government of Ontario (per P. Byrne); Owen's College, Manchester; Ellen Palmer; The Comptroller of Patents, London; G. T. W. Patrick, Ph.D.; Coventry Patmore; Messrs. Kegan, Paul, Trench, Trübner & Co.; Peoria Public Library; Philadelphia Academy of Natural Sciences; Messrs. Phillipson & Golder; William Pilling; The Lessee, Prince of Wales Theatre, Liverpool; Protestant Alliance Association; The Registrar of Patents, Queensland; Richard Randolph; James H. Rawlins; T. Mellard Reade, C.E., &c.; William Relton; Admiral Sir G. H. Richards, K.C.B.; Rochdale Free Public Library; The Rotunda Theatre Company, Liverpool; Royal Astronomical Society; Royal Colonial Institute; Royal Cornwall Polytechnic Society; Royal Dublin Society; Royal Institute of British Architects; Royal Medical and Chirurgical Society; Royal National Life-boat Institution; Royal Society; Royal Society of Canada; Royal University of Ireland; J. W. Rundall, B.A.; Marylebone Free Libraries; Salem Public Libraries, Mass., U.S.A.; Salford Royal Library; Seismological Society of Japan; Henry Sell; Edward Sergeant, Medical Officer of Health, Lancaster; The Proprietor, Shakespeare Theatre, Liverpool; George Shaw; Rev. Arthur Sloman; George Smith, C.I.E., LL.D.; Smithsonian Institute, Washington, U.S.A.; Society for the Protection of Animals from Vivisection; Society of Antiquaries of London; Society of Antiquaries of Scotland; Society of Auditors and Accountants; South Shields Public Library; Southport Bath Company; Messrs. E. and F. N. Spon; Elliot Stock; H. Stropes, F.G.S.; Messrs. Stubbs & Co.; Swedenborg Society; Sydney Technological College; Sydney University; E. R. Taylor; J. S. Taylor, M.D.; T.E.S.T.; George C. Thompson, LL.M.; Messrs. Tillotson & Son; Tokyo Library, Japan; Arthur E. Tregelles; University of Trinity College, Toronto (per Rev. E. R. Kendall, M.A.); Trinity College, London; Captain Tucker; United States Government; Francis Vacher, M.D., Medical Officer of Health, Birkenhead; Agent General for Victoria; Comptroller of Patents, Victoria; Victoria University; Wagner Free Institute of Science, Philadelphia; Warrington Museum and Library; Wigan Free Public Library; Charles Wilson; Wisconsin Natural History Society; Zoological Society of London.

LENDING LIBRARIES.

The books issued for home reading from the Lending Libraries probably indicate more clearly than those issued in the Reference Library the public taste in reading. It must not be lost sight of that those who use the Lending Libraries are largely young people, whose taste is decidedly romantic and adventurous, and who, by their reading industry, do much to create the large figures under the head of prose fiction. The three lending branches have lent for home reading 431,841 volumes.

EAST BRANCH LIBRARY :—The principal event during the past year connected with the Lending Libraries has been the inauguration on the 31st January, 1890, of a new branch in Kensington, known as the East Library. The success which has attended its opening has exceeded the highest expectation. No doubt much of this is due to its attractive appearance and good position. The ornate and pleasing elevation is the design of the City Surveyor and the ground plan and working arrangements the suggestion of the Chief Librarian. This library is the outcome of the feeling of the Committee to extend the advantages of the free library system, and is a part of a scheme which included the rebuilding and remodelling of the present North and South branches, a scheme which the Committee still hope to carry out whenever their financial position will permit. The library combines a lending department for the issue of books for home reading and a reading room for the perusal of books, magazines, and newspapers on the premises. The issue of books for home reading since the date of opening number 106,884 volumes, and those issued in the reading room 33,464 volumes. The volumes in stock number 8,202. There have been four books lost and paid for, and one book has been stolen. The readers who have constituted themselves borrowers from the lending library numbered on the 31st December last 3,968 ; of them 1,581 are females, and 2,387 males ; 1,537 are under 21 years of age, and 2,431 are above that age. The following table gives the classification of readers according to occupation, and the next table the classification of the books lent in the reading room and for home reading :—

TABLE 1.—Shewing classification of readers, viz. :—

Ministers, Physicians, Solicitors, Artists, &c. ...	178
Book-keepers, Accountants, Insurance Agents, &c. ...	625
Mechanics, Labourers, Warehousemen, &c. ...	454
Students, Scholars, &c. ...	319
Teachers ...	277
Printers, Telegraphists, Telephonists, Typewriters, &c. ...	185
Inspectors, Postmen, Police Constables, &c. ...	194
Shopkeepers, Shop-assistants, Barmen, &c. ...	241
Apprentices, Telegraph Messengers, Office Boys, &c. ...	348
No occupation stated (principally females) ...	1,147
Total ...	3,968

TABLE 2.—Shewing classification of books lent, viz. :—

CLASSIFICATION.	Lending Library.		Reading Room.	
	Volumes issued.	Daily average.	Volumes issued.	Daily average.
Theology, Morals, &c.	1,117	4	235	1
Natural Philosophy, &c.	1,288	5	368	1
Natural History	1,260	4	360	1
Science and the Arts	*6,288	22	1,213	4
History and Biography	3,206	11	983	3
Topography and Antiquities	767	3	187	1
Voyages and Travels	2,171	8	561	2
Miscellaneous Literature	4,227	15	1,832	6
Jurisprudence, Law, &c.	147	1	77	1
Commerce, Political Economy, &c.	753	3	156	1
Education and Language	504	2	279	1
Poetry and Dramatic Literature	841	3	348	1
Prose Fiction	84,115	301	26,770	95
Latin and Greek Classics	195	1	95	1
TOTALS.....	106,884	383	33,464	119

*Includes 3,201 volumes of music ; daily average 11.

NORTH AND SOUTH LENDING BRANCHES :—These branches are still Lending Libraries only, though large and commodious Reading Rooms attached to them would prove useful and attractive. The number of readers at the East Library does not altogether represent a plus number, for evidently many readers of the north and south branches have found it much more convenient to resign membership and join the new

Library. The diminution of readers at the North Branch Library has been 816; at the South, 396. The subjoined tables shew the working of these Libraries during the year.

TABLE 1.—

	North.	South.	Total.
Volumes issued	146,412	178,545	324,957
New Tickets issued	1,695	1,727	3,422
Tickets renewed	1,635	2,185	3,820
Tickets cancelled	2,511	2,124	4,635
Readers on the Books	3,316	3,985	7,301
Books lost or injured and paid for	13	26	39
Books lost	—	—	—
Volumes worn out—withdrawn ..	443	282	725
Volumes worn out—replaced	352	373	725
Volumes added	545	570	1,115
Total number of volumes in Libraries	22,822	23,244	46,066

TABLE 2.—

	Volumes Issued.		
	North.	South.	TOTAL.
Theology	2,622	1,744	4,366
Natural Philosophy	1,872	2,240	4,112
Natural History	1,181	1,611	2,792
Science and the Arts	6,723	7,297	14,020
History and Biography	4,523	6,338	10,861
Topography and Antiquities	496	959	1,455
Voyages and Travels	3,257	4,538	7,795
Miscellaneous Literature	9,124	9,721	18,845
Jurisprudence, Law, and Politics	131	170	301
Commerce and Political Economy	497	931	1,428
Education, Logic, and Language	986	1,054	2,040
Poetry and the Drama	808	818	1,626
Prose Fiction	113,985	140,722	254,707
Latin and Greek Classics	139	268	407
Books for the Blind	68	134	202
TOTAL	146,412	178,545	324,957

EVENING READING ROOMS.

These Reading Rooms, open from 6 to 9-30 p.m., are located in various school-rooms. They are now four in number, the room in Low Hill having been closed when the new Reading Room in Kensington was opened in January last. Their establishment was the outcome of a desire

on the part of the Committee to give to the working classes facilities for reading within easy distance from their homes. Books are not supplied ; but, instead, the principal London and local papers and a large selection of useful and entertaining magazines and periodicals are provided. The rooms are fairly successful, but the school furniture and the difficulty of storing chairs and tables for reading purposes prevent anything like a complete success.

The attendances are as follows :—

	1890.		1889.	
	Atten- dance.	Average per night.	Atten- dance.	Average per night.
Chatsworth Street Board School	30,866	101	31,258	102
Queen's Road Board School	21,282	70	14,330	47
Stanley Road Board School	30,800	101	30,535	100
Wellington Road School.....	25,643	84	23,466	77
Totals.....	108,591	356	116,912	383

FREE LECTURES.

The Free Lectures are among the more important and encouraging work of this Institution. The number of lectures delivered during the year have been 49, and the audiences have averaged for each of the 37 Winter Lectures 855, and for the 12 delivered in the Autumn 699.

The lectures are intended to encourage useful reading, but especially to give to artizans and labourers the opportunity of gaining information in science, history, geography, &c., which want of time or deficiencies of early education prevents them acquiring in a more sure and solid, but less attractive way. The total number of persons who attended the lectures was 40,025. The lectures were as follows :—

WINTER SERIES.

ARGENT, W. I. "How our Fathers Played and Sung ;" with Vocal and Instrumental Illustrations.

ARGENT, W. I. "Music I have Heard ;" with Vocal and Instrumental Illustrations.

BIRCHALL, JAMES. "The Hansa : the Great Commercial Union of Medieval Europe ;" illustrated by the Oxyhydrogen Light.

CAREY, F. S., M.A., Professor of Mathematics, University College, Liverpool. "Horrocks, the Toxteth Astronomer ;" illustrated by the Oxyhydrogen Light.

- CATON, RICHARD, M.D., F.R.C.P., Professor of Physiology, University College, Liverpool. "Scandinavia and the Vikings;" illustrated by the Oxyhydrogen Light.
- CLIBBORN, FREDERIC. "To Venice by Sea;" illustrated by the Oxyhydrogen Light.
- CORTIE, REV. A. L., S.J. "The Orion Nebula: a study in Celestial Evolution;" illustrated by the Oxyhydrogen Light.
- COWELL, P., F.R.H.S., Chief Librarian, Liverpool Free Public Libraries. "The Printed Book and the Printer;" illustrated by the Oxyhydrogen Light and by Books and MSS. from the Library.
- DAVIES, EDWARD, F.C.S., F.I.C. "Coal Gas;" illustrated by Experiments.
- DIBDIN, JAMES C. "Sea Songs of Great Britain;" with Vocal Illustrations.
- DIBDIN, JAMES C. "Old English Ballads;" with Vocal Illustrations.
- DIXON, WILLMOTT, LL.B. "Heroes of British India."
- DYALL, CHARLES, Curator, Walker Art Gallery. "England Fifty Years Ago;" with an introduction in Rhyme, and Illustrations by the Oxyhydrogen Light.
- GASKING, REV. SAMUEL, B.A., F.G.S., F.R.M.S. "Sea Stars;" illustrated by the Oxyhydrogen Light.
- GIBSON, R. J. HARVEY, M.A., F.L.S., Lecturer in Botany, University College, Liverpool. "The Life History of a Fern;" illustrated by the Oxyhydrogen Light.
- GONNER, E. C. K., M.A., Lecturer on Economic and Commercial Science, University College, Liverpool. "The *Real* Sir Richard Whittington and the Cat;" illustrated by the Oxyhydrogen Light.
- GRENSTED, REV. F. F., M.A., Second Master, Merchant Taylor's School, Crosby. "The Life and Civilization of Ancient Babylonia and Assyria;" illustrated by the Oxyhydrogen Light.
- HERDMAN, W. A., D.Sc., F.L.S., &c., Professor of Natural History, University College, Liverpool. "The Simplest Animals and Plants, and their relation to one another;" illustrated by the Oxyhydrogen Light.
- HEWITT, WILLIAM, B.Sc. "The Barometer and its Uses;" illustrated by Experiments and the Oxyhydrogen Light.
- HIGGINS, REV. H. H., M.A., President, Liverpool Literary and Philosophical Society. "Scenes and Incidents of Travel from Alexandria to Sinai;" illustrated by the Oxyhydrogen Light.

- JEFFS, OSMUND W. "British Scenery : its characteristics and origin ;" illustrated by the Oxyhydrogen Light.
- JEFFS, OSMUND W. "Record of the Rocks ;" illustrated by the Oxyhydrogen Light.
- LESLIE, FRANK J., F.R.G.S. "The Tower of London : a dark chapter in English History ;" illustrated by the Oxyhydrogen Light.
- MACCUNN, JOHN, M.A., Professor of Philosophy, University College, Liverpool. "The Equality of Men."
- McMILLAN, R. "Morocco and the Moors ;" illustrated by the Oxyhydrogen Light.
- POTTS, JOHN, F.G.S. "Ants and Spiders : their habits and instincts ;" illustrated by the Oxyhydrogen Light.
- RIGBY, REV. E. A., S.J., Stonyhurst College. "The Division of Labour in Animals ;" illustrated by the Oxyhydrogen Light.
- ROWLANDSON, WILLIAM, C.E. "The Coaching Days and Early Days of Railways ;" illustrated by the Oxyhydrogen Light.
- SHAW, H. S. HELE, M. INST. C.E., Professor of Engineering, University College, Liverpool. "The Eiffel Tower ;" illustrated by Models and by the Oxyhydrogen Light.
- SNAPE, H. LLOYD, D.SC., PH.D. "Alchemy and Chemistry ;" illustrated by the Oxyhydrogen Light.
- STRONG, H. A., M.A., LL.D., Professor of Latin, University College, Liverpool. "Recent Acquisitions of the British Empire ;" illustrated by the Oxyhydrogen Light.
- STUBBS, CAPT. EDWARD, R.N. "War Ships of Foreign Powers ;" illustrated by the Oxyhydrogen Light.
- THOMPSON, GEORGE E. "Rambles along the Riviera ;" illustrated by the Oxyhydrogen Light.
- THOMPSON, ISAAC C., F.L.S., F.R.M.S. "An hour with the Microscope ;" illustrated by the Oxyhydrogen Light.
- WILLIAMS, REV. S. FLETCHER. "Charles Kingsley : Poet, Novelist, and Social Reformer."
- WERTHEIMER, J., B.SC., B.A., Head Master, Leeds School of Science and Technology. "The Magnet and its Marvels ;" illustrated by Experiments and the Oxyhydrogen Light.
- WOODWARD, ARTHUR SMITH, F.G.S., F.Z.S., of British Museum, London. "Herrings and their Cousins ;" illustrated by the Oxyhydrogen Light.

AUTUMN SERIES.

Four Lectures on "The Progress of Astronomy," by RICHARD C. JOHNSON, F.R.A.S.

Four Lectures on "The History and Art of Egypt, Babylonia, and Assyria," by the REV. F. F. GRENSTED, M.A.

Four Lectures on "The History and Development of the Art of Music," by W. I. ARGENT.

SUMMARY OF STATISTICS OF LIBRARY DEPARTMENT.

	Volumes issued.	Weekly, &c., Magazines issued.	Newspaper Visitors.	Lecture Attendances
BROWN LIBRARY:				
Volumes issued	157,137	..	..	..
Monthly and Weekly Magazines .....	..	153,028	..	..
Illustrated Papers, issued in volumes, ("The Graphic," "Illustrated London News," "Punch," &c.)	83,763	..	..	..
Directories	72,500	..	..	..
Specifications of Patents for Inventions	15,287	..	..	..
Visitors to the Newspapers .....	..	..	175,440	..
PICTON READING ROOM:				
Volumes issued	191,071	..	..	..
Magazines and Reviews .....	..	116,618	..	..
NORTH AND SOUTH LENDING LIBRARIES:				
Volumes lent	431,841	..	..	..
EAST LENDING LIBRARY AND READING ROOM:				
Volumes issued in Reading Room	33,464	..	..	..
Magazines and Reviews .....	..	44,361	..	..
Visitors to the Newspapers.....	..	..	56,061	..
Volumes issued in Lending Library	106,884	..	..	..
EVENING READING ROOMS:				
Newspapers, Magazines, and Reviews ..	..	108,591	..	..
LECTURES:				
Attendance .....	..	..	..	40,025
Total	1,091,947	422,598	231,501	40,025

MUSEUM.

VISITORS TO MUSEUM.

	1890	1889
	(262 Days.)	(213 Days.)
Total visitors in the year	340,228	282,559
Weekly average .. .	6,542	5,424
Daily average .. .	1,298	1,326

MONDAY EVENING OPENING OF THE MUSEUM.

During the year the Museum was open on 26 evenings, and the total attendances were 7,261, giving an average attendance per evening of 279.

As in the previous year, short lectures were given each evening on various specimens in the Museum, and were much appreciated.

LECTURERS AND SUBJECTS.

1890.

- Jan. 6th.—The Cockroach, by Mr. G. F. Moore.
 Jan. 13th.—On Corals, by Mr. J. Brack Warriner.
 Jan. 20th.—On the History of a piece of Slate, by Mr. J. Lomas.
 Jan. 27th.—On relics of Ancient Funeral Customs, by Mr. T. Tarleton.
 Feb. 3rd.—On the Birds of Paradise, by Mr. G. J. Hill.
 Feb. 10th.—On the Formation of Agates and the uses to which they are put, by Mr. F. P. Marrat.
 Feb. 17th.—On Organs, Old and New, by Mr. W. I. Argent.
 Feb. 24th.—On Animals and their uses (part I.), by Mr. R. Paden.
 Mar. 3rd.—On Egyptian Gods and Mummies in the Mayer Museum, by Mr. P. Entwistle.
 Mar. 10th.—On Wedgwood, by Miss E. M. Wood.
 Mar. 17th.—On Spiders, by J. Chard.
 Mar. 24th.—On Animals and their uses (part II.), by Mr. R. Paden.
 Mar. 31st.—On the Life History of the Frog, by Mr. J. A. Clubb.
- Oct. 13th.—On Ancient Sculpture and Sculptors, by Mr. Charles Dyall.
 Oct. 20th.—On Squids, Calamaries, &c., by Mr. F. P. Marrat.
 Oct. 27th. - On the Protozoa or Tiny Rock Builders, by Mr. Daniel Clague, F.G.S.

- Nov. 3rd.—On the Living Specimens in the Aquaria, by Mr. R. Paden.
 Nov. 10th.—On the Common Frog, by Mr. G. F. Moore.
 Nov. 17th.—On the Babylonian and Egyptian Antiquities in the Mayer Collection, by the Rev. F. F. Grensted, M.A.
 Nov. 24th.—On Nature's Barriers ; or, the Life History of the Sand Grass, by Mr. Theo. H. Wardleworth.
 Dec. 1st.—On Silver, by Mr. A. Lutschaunig.
 Dec. 8th.—On Crustacea, by Mr. John Chard.
 Dec. 15th.—On Chalk and its Fossils, by Mr. J. Butler Davies.
 Dec. 22nd.—On the Otter and the Seal, by Mr. G. J. Hill.
 Dec. 29th.—On Majolica Ware in the Mayer Museum, by Mr. A. H. Frazer.

PICTORIAL GROUPS.

During the first few months of the year several pictorial groups of birds were mounted, amongst the more important of these were a limited but very specialized group of birds called Jacanas, found in the tropical regions of the New World and the Old, whose great peculiarity is their exquisite adaptation to walking on the expanded floating leaves of aquatic plants. They are birds of small or moderate size, with feet and claws excessively long and thin, comprising about a dozen species, several of which are armed with short sharp spurs to their wings, and have coloured fleshy caruncles on the forehead.

This was the last work of Mr. Henry Reynolds, the Museum Taxidermist, &c., whose lamented death took place in August last. The numerous pictorial groups mounted by him were alike creditable to himself and to the Museum.

THE CIRCULATING SCHOOL CABINETS.

During the year the school cabinets have been issued regularly to 72 elementary schools within the City boundaries, and have been much appreciated. The only drawback to this important work is, that owing to the number of schools on our list and the limited number of cabinets at our disposal, it is only possible to send the boxes round to each of these schools once in every four months, and this to the Teachers appears a very long interval.

In addition to the loan of cabinets for a month at a time, other duplicate specimens from the Museum have been lent to schools from time to time, to illustrate lessons given before H. M. Inspectors at the annual examinations.

MUSEUMS ASSOCIATION.

The above Association held its first Annual Meeting in Liverpool in June last, under the presidency of the Rev. Henry H. Higgins, who delivered his Inaugural Address at the opening Meeting.

By the permission of the Library, Museum and Arts Committee the small Lecture Hall and other rooms in the Institution were placed at the disposal of the Association during the Meeting.

The proceedings lasted four days, during which time the following papers relating to Museum arrangements and work were read and discussed :—

- “On Museum Organization and Arrangement,” by Prof. W. Boyd Dawkins, F.R.S.
- “Suggestions for aid in the determination of Natural History specimens in Museums,” by F. W. Rudler, F.G.S.
- “A new method of mounting Invertebrates for Museum and Lecture purposes,” by H. C. Sorby, LL.D., F.R.S.
- “Notes on the Liverpool Free Public Museum,” by Thos. J. Moore, Corr : M.Z.S.L. ; Curator.
- “Circulating School Cabinets for Elementary Schools,” by John Chard (Assistant in the Liverpool Museum).
- “The best means of making Museums attractive to the Public,” by R. Cameron, J.P., Chairman of the Sunderland Museum.
- “A plea for Local Geological Models,” by T. J. Moore, Corr : M.Z.S.L., Curator.
- “Museum Cases and Museum Visitors,” by E. Howarth, F.R.A.S., Curator of the Sheffield Museum.
- “Notes on the Moscow Museum,” by Willoughby Gardner.
- “Winter Evening Lectures in Museums,” by R. Paden (Assistant in the Liverpool Museum).
- “The arrangement of Rock Collections,” by H. M. Platnauer, B.Sc., Curator of the York Museum.

During the Meeting the Library, Museum and Arts Committee entertained the Members to a reception and conversazione in the Museum. The Mayor also invited some Members to luncheon at the Town Hall.

Mr. J. L. Bowes, Japanese Consul, invited the Members of the Association to the opening of his Museum of Japanese Art and to a reception.

The next meeting will be held in Cambridge.

DONATIONS.

Leaves, &c., illustrative of the nest and cocoon of the Leaf-cutting Bee, *Megachile centuncularis*; presented by Mr. R. M. Adam.

A group of young Shells (*Avicula*?) on Pearl Oyster Shell from Chevalpaan Bank, Gulf of Manaar; presented by Deputy Surgeon General Archer.

A collection of Shells, &c. The collection comprised a series of British Shells, with several examples of rare or fine specimens of many of the species. A school cabinet is being fitted up from this donation; presented by Miss Ashton.

A specimen of Botryoidal Sandstone, nearly all quartz, from the Manchester Ship Canal; presented by Mr. H. C. Beasley.

Specimens of Insects from Mauritius and Seychelles; collected and presented by Mr. C. E. Bewsher, Mauritius, per Dr. Drysdale.

A specimen of *Septaria*, dug from a depth of 50 feet, No. 1 section of the Manchester Ship Canal at Eastham; presented by Mr. Mark Bloomfield and Mr. T. Jones.

A pair of Valves of *Cytherea formosa*, decorated within; used by the Japanese as puzzle toys; presented by the Japanese Consul, Mr. J. L. Bowes.

Root of Fossil Coal Plant, *Stigmaria ficoides*, from the Pemberton Coal Mine, Wigan; presented by Mr. William Bullough.

A Starfish allied to *Culcita* and *Oreaster*, and a valve of the Common Cockle (*Cardium edule*) bored by a Mollusc, the boring having been covered interiorly with a diaphragm by the Cockle; presented by Mr. Isaac Byerley, F.L.S.

Five specimens of Permian Limestone from Sunderland, viz.:— Botryoidal, Concretionary and Stalactitic, with holes and cracks caused by contraction; presented by Mr. R. Cameron, Sunderland.

A collection of Specimens of Sponges and Microscopic Slides illustrating the orders *Hexactinellidæ* and *Lithistidæ*, mounted and determined by Dr. H. J. Carter in illustration of his various papers in the Annals and Magazine of Natural History, and presented to the Museum by Dr. H. J. Carter, F.R.S.

A Model of the Koh-i-noor Diamond, presented by Mr. Councillor W. Clarkson.

A Specimen of an Alga, from the Giant's Causeway; presented by Mr. Alderman Cross.

The Fossil Tusk of an Elephant from the River Plate; presented by Mr. J. Daniels.

An imperfect skin of a Crocodile, from Madagascar; presented by the Right Hon. the Earl of Derby.

Specimens of Fossil Teeth of Sharks, from the bed of the River Coosan, So. Carolina, from a depth of 30 feet; presented by Mr. R. Evans.

Three Skulls of large Mummied Cats, one Skull of Dog, and two Skulls of Ichneumon, from Beni Hassan, Egypt; presented by Messrs. James Gordon & Co.

Eighteen specimens of rare Minerals, from Australia, Queensland and Tasmania; collected and presented by Mr. John Greenwood.

A large Nest (two feet long) of a Camoati or Tree-wasp, *Myrapetia scutellaris*, from Villa Colon, Entre Rios; presented by Mr. George Hall.

A fine example of Lantern Fly, *Fulgora laternaria*, received from Mr. Higgs, in exchange per Rev. H. H. Higgins.

Two Snakes from South Africa; presented by Mr. G. J. Hill.

A specimen of the Birch Tree Polyporous, *Polyporous betulina*, from Cefn; presented by Mr. W. H. Holt.

Two Shells, a *Neptunea Berniciensis* with a fleshy pink mouth, and a *Panopæa norvegica*, Speng; presented by Mr. Richard Howse.

A Guillemot, *Lomvia troile*, from Anglesea, shot and presented by Mr. David Hughes, Junr.

A stuffed specimen of the "Tarpum" or Jew Fish. *Megalops thrissoides*, 6 feet long, from the coast of Florida; presented by Captain E. M. Hughes, S.S. "Lord Gough."

Four specimens of Coal Plants, *Pecopteris lonchitica*, *Lepidodendron elegans*, *Anthracosia robusta*, and small portions of Flint (Flakes), from a railway cutting; presented by Mr. Kite.

A dozen heads of Mummied Cats, two of Ichneumon, and one of Coney (*Hyrax*) and sundry limb bones from Beni Hassan, Egypt; presented by Messrs. Leventon & Co.

Skull and Horns of an Argali Sheep from Mongolia; Skull and Horns of an Ibex, from the Pamir; Two Skins and Skulls of Male Argali Sheep, and one Skin and Skull of an Ibex from the Saiar Mountains, Central Asia; collected and presented by Mr. St. George Littledale.

A specimen of Syenite, containing orthoclase and oligoclase Felspars from Syene (now called Assouan) on the Nile, and a shell, *Conus aburneus*, only half coloured; a specimen of Galena in Blende (Sulphide of Zinc) in Magnesian Limestone, near Darlington; twenty-eight specimens of named Marble Slabs, cut and polished; a peculiar blotched variety of Cowry Shell, *Cypræa stercoraria*, L. from Africa; a small detached Fossil Coral, *Palæocyclus porpita*, from Dudley; and specimen of *Lepidodendron* from the Millstone Grit; presented by Mr. F. P. Marrat.

A Collection of Lepidoptera from Lagos, mounted and named by Herbert Druce, F.L.S., collected and presented by His Excellency C. A. Moloney, C.M.G., Governor of Lagos, per Mr. T. H. Barker, Secretary, Liverpool Chamber of Commerce.

Disarticulated Skull of large West African Cat Fish; Injected Arteries of Pike and of *Astacus* Claw; received in exchange from Messrs. Moore Bros.

A Booklet of pages of sheet iron, of which 500 leaves equal an inch in thickness; presented by Mr. Thomas Morris.

A small collection of samples of Gold Quartz from the Gold Reefs along the Malmani River, in the Marcio District of the Transvaal, Africa; presented by Mr. E. K. Muspratt.

A specimen of Spore Coal $4 \times 1\frac{1}{2} \times \frac{3}{4}$ from Donibristle Colliery, Fife, collected by Mr. J. W. Kirby, and presented by the Natural History Society, Newcastle-on-Tyne.

A Crustacean. *Cryptolithodes alta-fissura*, from Columbia; presented by Dr. C. F. Newcombe, Victoria, British Columbia.

A large specimen of the War Conch, *Triton variegatus*, Lam., used by the Australian and Polynesian Islanders; presented by Mrs. E. J. Parkinson.

Three specimens of Fossil Coral, *Amplexus coralloides*, from Spring Cove, Weston-Super-Mare; four specimens of Ferruginous Quartz, Eisenkiesel, from Ashcombe, Weston-Super-Mare, and one tube of Crystals resulting from the decomposition of Eisenkiesel; presented by Mr. Spencer George Perceval.

A young Alligator, 5 feet 6 inches long (*Alligator mississippiensis*) from New Orleans; presented by Captain Reynolds.

Part of the Femur of an Elephant, and fragments of undetermined bones from the Rio Negro; presented by Mr. W. P. Steer.

Specimens of Trap-door and other Spiders and their Nests, collected by the Rev. Kendrick Abraham, Cape Colony, So. Africa; also specimens of one Genus and two species, pronounced by the Rev. O. P. Cambridge as probably undescribed, from the same district and collector; also a Trap-door Spider and its Nest found attached to the roots of ferns, New Zealand, and 6 Vegetable Caterpillars (*Hepialus virescens*), also from New Zealand; presented by Mr. Frederick Taylor.

Specimens of Soap-berries, from Maranham; presented by Mr. T. J. Taylor.

A Collection of Minerals and Fossils selected with great care. Each specimen is marked by some interesting feature. In the collection there are numerous specimens representing minerals which are most usefully employed for economic purposes; presented by Mr. Thos. K. Twist.

Two Valves of Pearl Oyster from Tahiti, and a specimen of Woodstone; presented by Mr. George G. Weiss.

PURCHASE.

Owing to the limited funds at the disposal of the Committee, only one purchase in the Natural History Department, viz.:—Twenty five specimens of selected Lepidoptera, has been made during the year.

MAYER MUSEUM.

DONATIONS.

Roman Mosaic Pavement; face from the head of a figure; part of a standing female figure with an animal by her side; Sepulchral Tablet;

part of an Altar with Greek inscription, all in white marble ; and a block of marble, on the surface of which are outlines of human feet, with a Greek inscription inside each, "A memorial of a pilgrimage to some sanctuary, made by those persons the names of whom are written on the feet" (Professor A. Michaelis) ; all collected on the site of the ancient town of Cyzicus, Asia Minor, and presented by Captain John Ferguson, s.s. "Aleppo."

Seated figure of Mercury, modelled by "Solomon Gibson, 1810," Herculeaneum pottery ; Derby biscuit-ware figure of seated Cupid and Dog, No. 213 ; Owl and Partridge, in porcelain, painted in colours, made at Bow ; Lamp and Saucer, Wedgwood Etruscan ware ; blue and white Jasper Ink-stand, Wedgwood ; Snuffbox, on the lid is a painting of the "Mutter und Kind, nach Rubens" ; oval Patch-box and Pocket Companion, of Battersea enamel ; six Plates, three Bowls, three Cups and Saucers, and one double Snuff-bottle decorated in coloured enamels, Chinese ; pair of N. American Indian Shoes ; carved Wooden Fork and Spoon, Madagascar ; Wooden Spoon, carved, Zanzibar, and Paper-weight, India ; presented by the Miss Ashtons.

Dagger, Cawnpore, India ; presented by J. O. Morrison.

Collection of Palaeolithic and Neolithic Implements, with a series of Bronze Weapons, illustrating the antiquity and progress of man ; presented by the Right Hon. the Earl of Derby, K.G.

The Collection contains representative specimens from the following localities :—*Palaeolithic Celts*—From Abbeville, Les Eyzies, Dordogne, St. Brienè, and Yonne, France ; Brandon, Suffolk ; Shrub Hill, Norfolk ; Leyton, Plaistow, Warren Hill, and Newhaven. *Neolithic Celts*—From Lough Corrib, Toome, Galway, Armagh, Co. Down, and Tipperary, Ireland ; Vosges, Bonnières, France ; Venice, Spain, Greece, Samoa, Fiji, &c. There are also a small collection of Mounted Celts, Awls, Pins, Rings, &c., &c., from the Swiss Lake Dwellings ; a large number of American Stone Hammer and Flint Arrow-heads ; a number of Celts, &c., from New Guinea, Barbadoes, New Zealand, Egypt, and a fine collection of beautifully chipped and polished Celts, Gouges, Spear-heads, Scrapers, Hammer-heads, and Spindle-whorls, from Denmark ; and, lastly, a few Bronze Implements.

PURCHASED.

Kaga-ware Plate, mark on the base "Genroku no toshi seisu," made in the year-period of Genroku, 1688-1704 A.D.

Black basalt bowl, cover and saucer, elaborately painted decoration, Wedgwood.

Three cut glass Ladles (syphons) for punch.

Kaffir Snuff-box.

Nankin China Bowl.

Silver Medal, Egypt, 1882 ; Bars—Abu Klea, The Nile, 1884-5, and Tel-el Kebir.

Bronze Medal, Egyptian Star.

English delft-ware Plate, dated 1749.

"Mahajpoor" Medal.

EXCHANGE.

The following five Wedgwood medallions, new to the collection, were received in exchange from Mr. Cross for five duplicate specimens :—

Blue and white jasper ware Medallion of Dr. Erasmus Darwin ; black basalt Medallions of Jacob Cats, Michael Angelo, Frau Albani, and Le Seuer.

WALKER ART GALLERY.

The work of the Gallery during the past year has been characterized by much activity : all the available resources of the Institution having been in operation for the furtherance of the Art Education of the public.

In the Spring the rooms containing the Permanent Collection were thoroughly cleaned and coloured, the Curator taking advantage of this opportunity to examine the condition of the Works of Art, and to effect such renovations in picture frames, &c., as were found necessary. A complete re-arrangement of the pictures was made, with the result, it is believed, that the collection never before showed to such advantage.

The rooms of the extension vacated by the closing of the Autumn Exhibition in December were profitably utilized by letting them to the Doré Gallery Company (Limited) for a period of seven months, for an Exhibition of Doré's Works. The Exhibition proved a great success,

and a considerable sum was realized by the Committee by the rental accruing therefrom, thus alleviating in a great measure the embarrassment caused by the insufficiency of the penny rate to meet the current expenses of the three Institutions.

The Annual Exhibition of the Liverpool Society of Painters in Water Colours was also held in the Gallery during the year, from May the 5th to June the 7th.

During the month of August the Galleries were placed at the disposal of His Worship the Mayor, Thomas Hughes, Esq., for the purpose of a *Conversazione* of the Members of the Association for the Reform and Codification of the Law of Nations.

A fine group in marble, entitled "Play," by Henry Weekes, R.A., has been deposited in the Gallery.

The Gallery was open on 304 days, and closed for cleaning and other purposes on nine days.

The total number of visitors was 426,741, being a daily average attendance of 1,403. Included in the above are 64,717 visitors who paid for admission to the Autumn Exhibition, and 12,544 pupils of schools of various denominations admitted free.

The following Pictures were lent by the Committee during the year :—

To the Edinburgh International Exhibition—

"Jeanne D'Arc, by Harold S. Rathbone.

To the Arts and Sports Exhibition, Grosvenor Gallery, London—

"Tried Friends," by William Huggins.

To the Royal Cambrian Academy—

"Elijah in the Wilderness," by Sir Frederick Leighton, P.R.A.

To the Peel Park Museum, Salford, and afterwards to the Bolton Art Museum—

"Motherless," by Arthur Stocks, R.I.

"One of the Family," by F. G. Cotman, R.I.

"Don't 'ee Tipty Toe," by John Morgan.

To the Royal Hibernian Academy—

"The Best of Husbands," by Arthur Stocks, R.I.

Owing to the numerous applications for loans of important works, the Committee, after much consideration, have found it necessary to make

a Standing Order not to lend any works for annual Exhibitions, and not to lend the following on any occasion, viz. :—

- “ Dante’s Dream ” (Rossetti).
- “ Samson ” (Solomon).
- “ Lorenzo and Isabella ” (Millais, R.A.).
- “ A Summer Night ” (Moore, R.W.S.).
- “ Faithful unto Death ” (Poynter, R.A.).
- “ Elijah ” (Leighton, P.R.A.).
- “ A New Light in the Hareem ” (Goodall, R.A.).
- “ Eventide ” (Herkomer, R.A.).
- “ Ruth and Naomi ” (Calderon, R.A.).
- “ Friday ” (Dendy Sadler).

ADDITIONS TO THE PERMANENT COLLECTION BY PURCHASE.

The following works were purchased from the Liverpool Autumn Exhibition of 1890 :—

- “ A Summer Night ” (oil), by Albert Moore, R.W.S.
- “ Ophelia ” (oil), by Henrietta Rae (Mrs. Normand).
- “ Late Autumn ” (oil), by Anderson Hague, R.I.
- “ Ariel ” (oil), by Robert Fowler.
- “ Summer-Time in Sussex ” (water colour), by T. Hampson Jones.

DONATIONS TO THE PERMANENT COLLECTION.

- “ When Seas are Fair and Winds are Still ” (oil), by Thomas Huson, R.I. ; presented by James Barrow, Esq.
- “ A Florentine Poet ” (oil), by G. Hervey Garraway ; commissioned and presented by Friends of the Institution.
- Third Volume of Reproductions of Early German and Italian Prints ; presented by the Trustees of the British Museum.
- Two Mezzo-Tints, published in the year 1789—
 - “ A Mad Bull ” (after George Morland), engraved by R. Dodd.
 - “ An Ass Race ” (after George Morland), engraved by W. Ward.
- Plaster Models—“ The Ancient Woodman ” and “ Music and Dancing ; ” presented by the sculptor, J. Milo Griffith.

AUTUMN EXHIBITION OF PICTURES.

	1890.				1889.			
		£	s.	d.		£	s.	d.
Number of Pictures and other Works of Art Exhibited	1,307				1,560			
Number of Pictures sold	188				184			
Amount realized by sales		6,443	1	6		8,083	3	6
Season Tickets sold	2,961	511	12	6	2,481	432	11	6
Admissions at One Shilling.....	27,451	1,372	11	0	29,504	1,475	4	0
„ Sixpence	15,007	375	3	6	23,535	588	7	6
„ Threepence	19,298	241	4	6	7,422	92	15	6
Catalogues sold	19,345	484	18	0	19,635	524	9	6
Commission on sales		221	16	9		283	10	6
Miscellaneous Receipts		79	1	4		75	2	7
Total Receipts, exclusive of sales ..		3,286	7	7		3,472	1	1

TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 20 YEARS, FROM 1871 TO 1890.

Year.	ADMISSIONS.				Season Tickets.		Catalogues Sold.		Commission on Pictures Sold.		Miscellaneous Receipts.		Total Receipts.		Pictures Sold.													
	One Shilling.		Sixpence.		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.												
	£	s.	£	s.																								
1871	720	16	0	...	...	62	2	0	165	10	0	320	18	6	1,523	5	4	235	6,395	2	6							
1872	601	5	0	175	9	6	48	2	6	168	0	6	312	6	0	1,368	8	3	242	6,231	4	6						
1873	665	18	0	...	...	96	8	6	199	17	6	371	17	0	2	10	0	1,566	1	3	271	7,402	17	6				
1874	854	16	0	...	...	151	16	6	247	0	6	479	0	3	2	7	0	1,976	13	6	337	9,514	13	0				
1875	972	13	0	77	17	6	237	14	0	210	7	0	279	14	3	11	9	2	2,406	17	11	345	12,299	18	6			
1876	1,118	0	0	86	9	6	232	7	6	221	1	0	301	12	0	440	15	3	9	10	7	2,409	15	10	255	8,807	10	0
1877	1,928	12	0	...	...	419	3	3	413	14	0	537	11	2	18	4	2	3,801	14	8	301	10,963	11	0	301	10,963	11	0
1878	1,904	17	0	330	9	6	423	5	0	528	14	6	562	8	6	237	13	0	142	0	4	4,189	7	10	235	6,225	14	0
1879	1,516	12	0	212	1	6	378	11	9	566	7	6	504	9	3	364	16	0	7	17	0	3,550	15	0	267	9,159	15	0
1880	1,449	11	0	274	4	6	439	19	6	499	16	0	509	7	3	544	3	3	10	17	7	3,727	19	1	271	11,753	7	6
1881	1,434	15	0	289	4	6	376	4	6	475	14	0	468	19	9	523	7	6	15	9	6	3,583	14	9	315	12,210	11	0
1882	1,430	3	0	299	3	6	332	16	0	476	1	0	472	14	6	362	8	9	23	1	11	3,396	8	8	311	7,808	3	6
1883	1,302	1	0	273	8	0	304	17	3	381	3	6	434	15	9	403	13	0	32	6	10	3,132	5	4	226	8,472	10	6
1884	1,966	12	0	535	0	6	519	14	3	619	7	6	599	13	3	432	6	3	87	7	5	4,790	1	2	291	12,313	7	6
1885	1,317	9	0	366	9	0	344	10	0	501	7	6	481	7	9	353	17	0	44	1	10	3,409	2	1	196	8,028	8	6
1886	1,147	1	0	397	14	0	333	15	9	302	10	6	434	9	0	336	13	9	36	19	7	2,989	3	7	224	8,576	18	0
1887	888	15	0	389	18	6	260	0	0	216	4	0	371	2	3	185	3	9	18	11	0	2,329	14	6	181	4,791	19	0
1888	1,473	5	0	623	9	0	186	11	3	384	1	0	524	17	6	268	16	9	40	3	3	3,501	3	9	168	6,461	6	0
1889	1,475	4	0	588	7	6	92	15	6	432	11	6	524	9	6	283	10	6	75	2	7	3,472	1	1	184	8,083	3	6
1890	1,372	11	0	375	3	6	241	4	6	511	12	6	484	18	0	221	16	9	79	1	4	3,286	7	7	188	6,943	1	6



PRESENTED



THIRTY-NINTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY,
OF THE
CITY OF LIVERPOOL,
FOR THE YEAR ENDING 31ST DECEMBER, 1891.



LIVERPOOL:
J. R. WILLIAMS & CO., PRINTERS, 8, SCHOOL LANE.

1892



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COMMITTEE AND OFFICERS

FOR THE YEARS 1891-2.

JAMES DE BELS ADAM, ESQ., MAYOR.

Committee.

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PETER COWELL.

Deputy-Librarian :

THOMAS FORMBY.

Curator of the Museum :

THOMAS J. MOORE.

Assistant Curator :

RICHARD PADEN.

Conchologist, Mineralogist, &c. :

F. P. MARRAT.

Curator of the Walker Art Gallery :

CHARLES DYALL.

Assistant Curator :

ALFRED H. FRAZER.

GENERAL REPORT.

In collating year by year the reports of the Librarian and the Curators of our Museums and Art Gallery in our annual review, the feeling grows stronger that the work being done in our institutions is no longer of a tentative character, but enters largely and beneficially into the daily life of the people.

The working men who crowd the newspaper stands or fill the reading rooms from early morning to late evening, the students who frequent the Picton Reading Room, the Art Galleries, and Museums, are all equally earnest in degree in acquiring information which has to do with their daily toil, their education, or entertainment; and although the latter may be primarily the pursuit of the majority, it is gratifying to feel that in so many of these a taste is gradually developed for serious reading and study.

The free lectures which for more than a quarter of a century have been delivered in the institution with the object of encouraging and fostering useful reading, are, by their great popularity, no less a source of pleasure and gratification to the Committee. In the much-regretted death of Alderman W. J. Lunt, the General Committee feel that they have lost a valuable and useful colleague who gave considerable time and attention, as Chairman of the Lecture Sub-Committee, to the organization of the several courses of these annual lectures, and to the arrangements necessary to insure their success.

The past year has been a memorable one in the history of our institution; we have been enabled by the generous assistance of the City Council to pay off the debt which has for many years seriously encumbered our work, and, although the funds at the disposal of the Committee for the purchase of books have been smaller than usual, we have been enabled out of the fund voted for purchase of technical books to greatly strengthen the practical side of the institution. We have now complete libraries of all recent works on technology at the Central Library and at the three branch libraries, and in order to bring these books directly under the notice of artisans a special catalogue has been printed and distributed among the workshops in the city. The Committee have taken great interest in the development of this branch of their work, and have received the hearty co-operation of the Professors of University College in compiling the list of works which they have added to the library shelves.

A new volume of the Reference Library Catalogue has been completed in a most satisfactory manner. The compilation of this elaborate volume has entailed great labour and responsibility upon our Librarian and his staff, and the able manner in which it has been completed is very gratifying to the Committee.

The present North and South Branch Libraries are quite inadequate for the purpose, and the Committee trust the day is not far distant when they may be in a position to erect new libraries with reading rooms. Libraries without reading rooms only perform one half of their educational work; and in many of the more recent libraries boys' and even children's reading rooms have been added, with very encouraging results.

The work of the Museum and Mayer Collection has made steady progress, and the Monday Evening Lectures increase in popularity. A new departure has been taken with a view to assist in the general advance of technical education. School cabinets have been formed of mechanical and physical apparatus, which are being circulated among the elementary schools. Meetings of the head masters and mistresses have been held, at which the scheme of the Committee has been explained, and there is every reason to hope that these cabinets will be of great service in illustrating technical instruction.

As regards the Walker Art Gallery, the past year was successful from every point of view. The Autumn Exhibition was one of exceptional merit and interest, and was very largely attended.

Acting upon a resolution of the Council, the Committee have opened the Permanent Gallery on Sunday afternoons; the attendance has been large and very orderly, and the opportunity of seeing our picture galleries has been largely availed of by the artizan classes.

An important work by Holman Hunt, 'The Triumph of the Innocents,' has been added to the Permanent Collection, part of the cost being defrayed by a public subscription.

With a view to make use during the Winter and Summer of the galleries occupied by the Autumn Exhibition, the Committee have organised a Naval Exhibition, which has been very successfully inaugurated, and the Committee hope it will result in a handsome balance towards the purchase of pictures and the founding of a Nautical College.

The desire of the Committee is to popularize the noble and unique group of institutions under their control, and to avail themselves of all

the many and varied opportunities they afford for the education and entertainment of the people. Some idea of the success which has attended their efforts may be gathered from the fact that the several libraries have issued during the year 1,015,225 volumes and 421,003 periodicals, have had 219,413 visitors to consult the newspapers, and that audiences amounting to a total of 34,726 have attended the lectures; while to the Museum there were 320,387 visitors, and to the Walker Art Gallery 503,991 visitors.

WILLIAM B. FORWOOD,
CHAIRMAN.

REFERENCE LIBRARY.

REFERENCE LIBRARY:—This Library includes the Brown Library and Reading Room and the Picton Reading Room. Connected with it are two lecture halls and several class rooms. Besides the ordinary work of this Library, which includes the delivery during the Autumn and Winter months of several courses of free lectures in the cause of general education, accommodation is found in its small lecture hall and class rooms for the meetings of learned societies and for the holding of science and art classes, under the direction of the Liverpool School of Science and Technology.

The Brown Reading Room is assigned for the perusal of popular literature. The principal London, local and other provincial papers are available there, magazines of a varied and entertaining character, and a selection of the best works in English prose fiction. There is also unrestricted access to some 70 county, city, and town directories. In the book room of the Brown Library are found the specifications of patents for inventions, which may be examined at pleasure. The statistics of the issues and attendances in this part of the library during the past year number 694,164, or an increase of 37,009 over 1890. Practically this is not an increase, seeing that this room was, in 1890, closed 25 working days for painting, &c.

Visitors to the Newspapers	...	...	...	...	172,334
Monthly and Weekly Magazines, &c., issued	...	...	...	...	139,273
Illustrated Papers issued in volumes ("The Graphic,"	...	...	...	...	...
" Illustrated London News," "Punch," &c.)	...	...	...	...	112,421
Directories	...	...	...	...	70,648
Specifications of Patents for Inventions	...	...	...	...	15,809
Volumes of Prose Fiction	...	...	...	...	183,679

The Picton Reading Room, called so in honour of the late Sir James A. Picton, who for nearly 40 years was Chairman of this Institution, is set apart as a student's room and for literary research and inquiry. No restriction is placed upon the number of volumes a reader may require, and facilities are given by the provision of pens and ink for making notes and extracts from the books. Some 300 dictionaries and other books in constant use for reference are so placed that they can be had at a moment's notice. Two large globes and various important atlases are placed in the room for easy reference, and near the entrance will be found some 180 scientific and literary magazines, reviews, &c., to which readers have free access. The issue of novels is confined to the Brown Reading Room. The total issue of books for reference and study has been 173,831 volumes, being a decrease of 17,240 volumes. The reviews and other scientific and literary periodicals issued show, on the other hand, an increase of 1,879. The cause of this decrease is not apparent. It has probably arisen from the better state of trade in the port during 1891 than in 1890. The classes of literature which show an increase are Latin and Greek classics, 778 vols.; politics, 275 vols.; languages, 157 vols.; and dictionaries, encyclopædias, and works of general reference, 801 vols.

In order to give better facilities for the examination of specifications of patents, and consulting the volumes and files of newspapers, the Committee are considering the desirability of utilizing the basement of the Brown Library, and there finding that increased accommodation for books which has become necessary.

The special grant of £1,600 made by the City Council, under the Customs and Excise Act, has enabled the Committee to add numerous important books in technology to the Reference and Lending Libraries, and so develope the practical side, so to speak, of the institutions. The lists of books were supervised by several specialists, and every effort made to secure works of only standard merit.

A new volume of the Reference Library Catalogue has just been printed and made available for readers. It has been compiled with every endeavour to render accessible the varied literary stores collected in the Library, and that no one should find difficulty in finding any particular book, or what the Library possesses on any particular subject. A volume of 740 pp. 4to, compiled on the elaborate plan in use in the Library and

successfully passed through the press, with the painstaking care necessary to make the catalogue an efficient key to the Library, is deserving of full recognition.

Comparative Statement of issues in the Picton Reading Room, 1890-91.

Classification.	1891.	1890.	Increase 1891.	Decrease 1891.
Theology, Morals, &c.	15,694	18,283	...	2,589
Natural Philosophy, &c.	14,330	16,244	...	1,914
Natural History	6,184	7,546	...	1,362
Science and the Arts	24,036	28,450	...	4,414
History and Biography	15,917	19,117	...	3,200
Topography and Antiquities ...	6,059	7,891	...	1,832
Voyages and Travels	8,412	9,822	...	1,410
Miscellaneous Literature	34,475	36,503	...	2,028
Jurisprudence, Law, and Politics	4,559	4,284	275	...
Commerce, Political Economy, &c.	4,014	4,265	...	251
Education and Language	6,697	6,540	157	...
Poetry and Dramatic Literature	9,728	10,479	...	751
Latin and Greek Classics	4,053	3,275	778	...
Encyclopædias, &c.	19,673	18,872	801	...
Totals	173,831	191,071	2,011	19,251

TABLE.—Showing the number and classification of works contained in the Library.

Classification.	Volumes.
Theology, Morals, &c.	7,280
Natural Philosophy, &c.	2,449
Natural History	5,412
Science and the Arts	11,909
History and Biography	12,572
Topography and Antiquities ...	5,356
Voyages and Travels	5,221
Miscellaneous Literature (principally collected Works, Essays, Reviews, Societies' Proceedings, &c., in volumes)	23,813
Jurisprudence, Law, and Politics	8,102
Commerce, Political Economy, &c.	1,578
Education and Language	1,603
Poetry and Dramatic Literature	4,068
Prose Fiction	5,381
Latin and Greek Classics and Translations	966
Encyclopædias and Works of General Reference	3,354
Total	99,064

The following Periodicals, Newspapers, &c., have been presented regularly by the respective Publishers :—

Anglo-American Times	In His Name
Assure	Insurance and Banking Review
Athletic and Dramatic News	Invention
Australian Standard	Inventor
Awake	Irish Times
Bible Advocate	Iron and Coal Trades
Blackpool Herald	Iron and Steel Trades
Bootle Times	Isle-of-Man Examiner
Brewers' Guardian	Jewellers' Chronicle
British and Colonial Printer and Stationer	Jewish World
Builders' Reporter	Journal of the Clerk of Works' Association
Building World	Journal of the Royal Statistical Society
British Temperance Advocate	Liberal Unionist
British Woman's Temperance Journal	Light
Cambridge Examiner	Literary News
Canadian Patent Office Record	Liverpool Catholic Times
Cape Argus	Liverpool Citizen
Carnarvon Herald	Liverpool Courier (daily and weekly)
Charity Record	Liverpool Echo
Children's World	Liverpool Express
Church Missionary Gleaner	Liverpool Journal of Commerce
Church Missionary Intelligencer	Liverpool Mercury (daily and weekly)
Church Monthly	Liverpool Porcupine
Child's Guardian	Liverpool Post (daily and weekly)
Civil Service Aspirant	Liverpool Programme
Civil Service Competition	Liverpool Reformer
Civil Service Student	Liverpool Review
Colonies and India	Liverpool Star
Concord	Liverpool Y.M.C.A. Journal
Day of Days	Llandudno Advertiser
Discovery	Machinery Market
Eastbourne Standard	Manufacturer
Educational Times	Manufacturer and Builder
Electrical Review	Medium
Electrician	Miller
Electricity	Mona's Herald
Empire	Money
Englishwoman's Review	Montreal Weekly Witness
Enquire Within	Musical Herald
Financial Reformer	National Society of Professional Musicians : Monthly Journal
Fire and Water	Nature Notes
Fireside	New Church Magazine
Free Life	News
Golden Gates	Nonconformist Musical Journal
Good Health	Northern Brewers' and Victuallers' Journal
Gossip	Oddfellows' Magazine
Greater Britain	Official Journal of the Patent Office
Grocers' Review	Oxford Chronicle
Gwalia	Paper Maker
Hand and Heart	Personal Rights Journal
Hereford Times	Pitman's Musical Monthly
Homœopath	Practical Photographer
Homœopathic World	Present Truth
Home Words	
Imperial Federation	

Preston Herald
 Printers' Register
 Prizes
 Protestant Observer
 Provincial News
 Queensland Patent Office
 Railway Review
 Ramsey Courier
 Richmond and Twickenham Times
 Script Phonographic Journal
 Shipping World
 Song and Speech
 Specialities
 Spectator (Insurance Magazine)
 Stonyhurst Magazine
 Sunday Closing Reporter

Temperance Caterer and Refreshment
 News
 Tool and Machinery Register
 Trade Marks Journal
 Two Worlds
 University Correspondent
 Vaccination Inquirer
 Vegetarian Messenger
 Warrington Observer
 Warwickshire Herald
 Western Daily Press
 Western World
 Worcestershire Herald
 Zeenan and Dundas Herald
 Zoophilist

DONATIONS.

BRITISH MUSEUM TRUSTEES:—

Publications of the British Museum, viz. :—Aristotle on the Constitution of Athens; ed. by F. G. Kenyon, M.A.; Aristotle on the Constitution of Athens: Facsimile of Papyrus cxxxi.; Catalogue of Birds, vol. 19; Catalogue of Fossil Birds, by Richard Lydekker, B.A.; Catalogue of Fossil Cephalopoda, by Arthur H. Foord, F.G.S., part 2; Catalogue of Fossil Fishes, by A. S. Woodward, F.G.S., part 2; Catalogue of Printed Books, 20 vols.; Illustrations of Lepidoptera Heterocera, part 8; Systematic List of British Oligocene and Eocene Mollusca, by Richard B. Newton, F.G.S.

LIVERPOOL WALKER ENGINEERING LABORATORIES:—

Photographs of the Walker Engineering Laboratories.

LONDON, CORPORATION OF THE CITY OF:—

Catalogue of the Hebraica and Judaica in the Library of the Corporation of London.

PITMAN AND SONS, MESSRS:—

Gleanings from Popular Authors; Manual of Phonography, and Key; Phonographic Reporter; Phonographic Teacher, and Key; Phonography in the Office; Progressive Studies in Phonography; Representative British Orations, 2 vols.; Tales and Sketches; Vicar of Wakefield.

THOMPSON, HENRY YATES:—

The English Atlas, 4 vols. f^o 1680-4.

OTHER Books and Pamphlets, Reports, &c., have been received from the following donors, for which the Committee again beg to express their grateful acknowledgments:—

Academy of Natural Sciences, Philadelphia, U.S.A.; David Adamson; Ernest King Allen; Alloa Public Library; American Association for the Study and Cure of Inebriety, New York, U.S.A.; Abel Andrew; Apprentices' Library, New York, U.S.A.; Argentine Republic Consul, Liverpool; Mary E. Atherstone; Messrs. Austin and Sons; Ernest Axon; Colonial Secretary for Barbados; William Bartlett; J. B. Bayley; Charles H. Beloe; Maurice S. Berger; Biblioteca Nacional, Buenos Aires, Argentine Republic; Thomas H. Bickerton, L.R.C.P., &c.;

Birkenhead Literary and Philosophical Society; William Bispham; Blackburn Free Public Library; W. F. Blake; Boston City Auditor; H. Percy Boulnois, C.E. (Liverpool City Engineer); Wilfrid S. Boulton, C.E.; James L. Bowes (Japanese Consul, Liverpool); Rt. Hon. Lord Brassey, K.C.B., D.C.L.; J. Potter Briscoe (Librarian, Free Public Library, Nottingham); Bristol Public Free Libraries; British and Foreign Bible Society; British Association for the Advancement of Science; S. K. Broadbent; Brooklyn Library; J. C. Brown, D.Sc.; Camberwell Public Library; Cambridge University; A. H. F. Cameron, M.D.; T. B. F. Campbell; The Director of the Geological and Natural History Survey of Canada; The Canadian Government (per Sir Charles Tupper, The High Commissioner for Canada, London, and J. Dyke, Commissioner for Canada, Liverpool); Andrew Carnegie; Alfred Castellain, J.P.; Messrs. Cassell & Co.; Mrs. David Chadwick; Chelsea Public Library; Chicago Board of Trade, U.S.A.; Chicago Manual Training School, U.S.A.; Chicago Public Library, U.S.A.; Church Missionary Society for Africa and the East; Cincinnati Chamber of Commerce, U.S.A.; Cincinnati Public Library, U.S.A.; Cobden Club; Rev. W. H. L. Cogswell; Gustave Cohen; George Colebourne; James C. Conmin; Cooper Union for the Advancement of Science and Art, New York, U.S.A.; Cornell University, Ithaca, New York, U.S.A.; Messrs. Crane, Crane and Co.; Edward S. Craston; Sir Donald Currie; Robert N. Cust, LL.D.; Mrs. Davidson; Dublin University; H. F. Dufton, B.A.; Durham University; Francis Fisk; General Society of Mechanics and Tradesmen, New York, U.S.A.; Glasgow Athenæum; Glasgow and West of Scotland Technical College; Samuel S. Green; W. W. Greenwood, F.R.M.S.; William Grisewood; H. B. Harris; Harvard University College, Camb., Mass., U.S.A.; Messrs. Hazell, Watson and Viney; G. J. Hill; T. C. Horsfall; Imperial Federation League, London; International Arbitration and Peace Society; The Secretary of State in Council for India; Institute of Civil Engineers; Institute of Mechanical Engineers; Irish Unionist Alliance; John Keefe, F.R.G.S., &c.; Kimberley Public Library, South Africa; Kirkdale Voluntary Industrial Day (Ragged) School; Lancashire and Cheshire Entomological Society; Leicester Literary and Philosophical Society; Library Reports from various Libraries; Liverpool Institutions, Societies, &c.:—Astronomical Society. Amateur Photographic Association. Architectural Society. Art Club. Auxiliary Bible Society. Blue Coat Hospital. Catholic Publishing Depot. Catholic Reformatory Association. Central Relief and Charity Organisation Society. Church of England Scripture Readers' Society. Clerks' Association. Dispensaries. Engineering Society. Financial Reform Association. Geological Association. Geological Society. The Home. Horticultural Association. Hospital Sunday and Saturday Fund. Incorporated Law Society. Infant Orphan Asylum. Institute. Literary and Philosophical Society. Medical Institute. Microscopical Society. Naturalists' Field Club. Penny Savings Bank Association. Physical Society. Polytechnic Society. Ragged School Union. Royal Infirmary and Lock Hospital. Royal Society for the Prevention of Cruelty to Animals. Royal Southern Hospital. Sailors' Home. Savings Bank. School Board. School for the Deaf and Dumb. School of Science. School Ship "Conway." Seamen's Friend Society. Seamen's Orphanage Institute. Shipwreck and Humane Society. Shoe Black Society. Society for the Prevention of Cruelty to Children. Sunday

School Union. Sunday Society. Town Mission. Training Ship "Indefatigable." University College. Welsh National Society. Workshops for the Blind. Young Men's Christian Association. Young Women's Christian Association; H. F. McAtees; Joseph H. McGovern; J. de Maine Browne (late Librarian, Public Library, Douglas, Isle of Man); Manchester Free Public Libraries; Manchester Geological Society; Manchester Microscopical Society; Manchester Statistical Society; Frederick P. Marrat; State Library, Mass., U.S.A.; Ewing Matheson, c.e.; Medical Officer of Health, County Palatine of Lancaster; Mercantile Library, Philadelphia, U.S.A.; Meteorological Office, London; Mersey Mission to Seamen; Mersey Docks and Harbour Board; Milwaukee Public Museum, U.S.A.; University of Minnesota, U.S.A. (Geological and Natural History Survey of Minnesota); Dr. William Moon, LL.D.; Museo Nacional do Rio de Janeiro, Brazil; William Narramore, F.L.S.; National Association for the Promotion of Technical and Secondary Education; National Footpath Preservation Society; Nelson Public Library; Agent-General for New South Wales (Sir Saul Samuel, K.C.M.G., &c.); The Proprietor, New Theatre Royal, Liverpool; State Library, New York, U.S.A.; Norwegian Government; Nottingham Free Public Libraries; Oxford University; Comptroller of Patents, London; Comptroller of Patents, Queensland; Allen P. Paton; Henry Peet; Messrs. Phillipson and Golder; The Lessee, Prince of Wales Theatre, Liverpool; Queen's College, London; William H. Quilliam; Ragged School Union, London; P. H. Rathbone, J.P.; James H. Rawlins; T. Mellard Reade, c.e., F.G.S.; Herbert Reynolds, M.A.; Admiral Sir G. H. Richards, K.C.B., &c.; Rotherham Free Public Library; Rotunda Theatre Company, Liverpool; Royal Astronomical Society; Royal Colonial Institute; Royal Cornwall Polytechnic Society; The Proprietors, Royal Court Theatre, Liverpool; Royal Dublin Society; Royal Institute of British Architects; Royal National Life-Boat Institution; Royal Society of Canada; Royal Society of London; Royal Society of Victoria; Royal University of Ireland; Hon. E. Russell; Signora Guilia Sacconi; Salem Public Library, Mass., U.S.A.; Committee of the Salisbury Fund; Henry Sell; The Proprietor, Shakespeare Theatre, Liverpool; E. Shorthouse; Signet Library, Edinburgh; T. J. S. Smith; Smithsonian Institution, Washington, U.S.A.; Society of Antiquaries of London; Society of Antiquaries of Scotland; Society of Engineers, London; Stonyhurst College Observatory; Clement E. Stretton, c.e.; Messrs. Stubbs and Company; Swedenborg Society, London; Sydney University, N.S.W.; Agent-General for Tasmania, London (Sir E. N. C. Braddon, K.C.M.G.); G. E. Thompson; W. P. Thompson, c.e.; Toronto Public Library, Canada; Toronto University, Canada; Trinity College, London; Captain Tucker; United States Government; University Club, New York, U.S.A.; University College, North Wales; University College of Wales, Aberystwyth; University Correspondence, College, London; Francis Vacher, M.D. (Medical Officer of Health, Birkenhead); Agent-General for Victoria (Hon. Graham Berry, K.C.M.G.); Commissioner of Patents, Melbourne, Victoria; Victoria Public Library; Victoria University, Manchester; Joint Education Committee of Wales and Monmouthshire; Wandsworth Public Library; Wigan Free Public Library; R. F. E. Willis; John Wilson; Messrs. Wilson and Sons; Natural History Society of Wisconsin, U.S.A.; Messrs. Wright and Company; York Subscription Library; Yorkshire Union of Institutes, Leeds; Sir Frederick Young, K.C.M.G.; Zoological Society of London.

LENDING LIBRARIES.

The books issued for home reading from the Lending Libraries probably indicate more clearly than those issued in the Reference Library the public taste in reading. It must not be lost sight of that those who use the Lending Libraries are largely young people, whose taste is decidedly romantic and adventurous, and who, by their reading industry, do much to create the large figures under the head of prose fiction. The three lending branches have lent for home reading during the year 424,160 volumes. These figures show a decrease during the year of 7,681 volumes. If, however, we take into consideration the time which two of the branches were closed for painting, &c., the result of the year's work is more favourable than it appears.

It will be noticed that the East Branch Lending Library has a reading and newsroom attached to it. In this respect it differs from the North and South Branches, which only issue books for home reading. The estimated number of persons who have used the newspapers during the year is 47,079, those who have read the various magazines 55,364, and the books issued for perusal on the premises 34,677 volumes. The absence of a reading room from the other two branches is a want which has long been felt, and one which the Committee have every desire to remedy as soon as funds are available. They would also like to provide a room for boys, where they could sit and read that healthy literature which is now so abundantly provided by so many able authors, and where a habit of reading would be formed, calculated, it is believed, to be highly beneficial for instruction and recreation. This year a table has been drawn up showing the various occupations of the borrowers from the Lending Libraries.

In the number of bookkeepers, clerks, and office boys, the mercantile character of Liverpool is distinctly noticeable. The artizan class form a very large portion of the total number of borrowers, and if they make use, as the Committee hope, of the large and important number of technical books added to the Libraries during the past year, much advantage cannot fail to follow. For the purpose of drawing the attention of artizans who are not already borrowers from the Lending Libraries to these books, a small catalogue has been printed of them and circulated in the various workshops of the city. Should the men proceed no further than merely read the list of books provided in the Libraries on the subjects most interesting to them, it cannot be other than profitable.

TABLE I.—Shewing volumes issued for home reading.

	North Branch.	* South Branch.	† East Branch.	Total.
Volumes issued in Lending Libraries	136,195	151,320	136,645	424,160
Volumes issued in Reading Room	—	—	34,677	34,677
New Tickets issued	1,532	1,654	1,647	4,833
Tickets renewed	1,698	2,088	2,420	6,206
Tickets cancelled	1,632	1,823	1,548	5,003
Readers on the Books	3,215	3,815	4,067	11,097
Books lost or injured and paid for	10	19	19	48
Books lost	5	7	2	14
Volumes worn out—withdrawn	268	293	—	561
Volumes worn out—replaced	237	94	—	331
Volumes added	1,079	1,050	1,481	3,610
Total volumes in Libraries	23,613	24,001	9,611	57,225

* Closed 14 days in July for painting, &c.

† Closed 21 days in July—August for painting, &c.

TABLE II.—Shewing classification of volumes issued.

	Lending Libraries.				Reading Room.
	North Branch.	South Branch.	East Branch.	Total.	East Branch.
Theology, Morals, &c.	2,346	1,530	1,271	5,147	214
Natural Philosophy, &c.	1,697	1,547	1,483	4,727	357
Natural History	1,282	1,141	1,430	3,853	339
Science and the Arts	6,426	5,413	6,644	18,483	1,434
History and Biography	4,111	4,487	3,599	12,197	987
Topography and Antiquities	503	743	614	1,860	159
Voyages and Travels	2,671	3,168	2,430	8,269	530
Miscellaneous Literature	8,187	6,659	6,005	20,851	2,571
Jurisprudence, Law, &c.	128	138	130	396	73
Commerce, Political Economy, &c.	507	736	874	2,117	140
Education and Language	754	677	507	1,938	289
Poetry and Dramatic Literature	817	814	1,034	2,665	373
Prose Fiction	106,635	123,911	110,407	340,953	27,126
Latin and Greek Classics	92	127	217	436	85
Books for the Blind	39	229	..	268	..
TOTALS	136,195	151,320	136,645	424,160	34,677

Total Volumes issued in Branch Libraries, 458,837.

TABLE III.—Shewing classification of Borrowers :—

	North Branch.	South Branch.	East Branch.	Total.
Architects, Builders, and Surveyors	6	13	47	66
Artists, Photographers, and Draughtsmen	22	20	24	66
Bakers, Butchers, and Grocers	62	91	103	256
Boilermakers, Platers, and Riveters	23	14	8	45
Bookbinders, Printers, and Stationers	57	60	79	196
Bookkeepers, Accountants, Clerks, and Agents	613	667	606	1,886
Boot and Shoe Makers	7	10	4	21
Brass, Iron, and Steel Founders	18	12	29	59
Bricklayers, Slaters, and Masons	9	6	10	25
Cabinetmakers, Upholsterers, and French Polishers	15	17	25	57
Carpenters and Joiners	14	56	29	99
Chemists and Druggists	20	19	25	64
Clergymen, Doctors, and Lawyers	11	17	64	92
Coach Painters and Builders	5	6	20	31
Cooks, Waiters, and Waitresses	10	15	49	74
Customs' Officers, Police Constables, Postmen, &c....	67	73	95	235
Dressmakers and Milliners	23	2	62	87
Engineers, Fitters, and Machinists	42	75	45	162
Farmers and Gardeners	3	4	9	16
Firemen	4	10	13	27
Ironmongers	10	5	4	19
Labourers	178	103	24	305
Licensed Victuallers, Brewers, and Barmen	39	10	19	68
Mariners	16	17	9	42
Merchants and Brokers	17	17	29	63
Messengers, Office Boys, and Apprentices	398	234	294	926
Musicians	11	12	46	69
Nurses	9	12	23	44
Painters and Plumbers	69	67	49	185
Pattern Makers, Moulders, and Turners	27	13	16	56
Students and Scholars	96	218	253	567
Shipwrights, Riggers, and Sailmakers	24	24	8	56
Smiths	62	19	13	94
Tailors and Drapers	52	25	61	138
Teachers	96	56	185	337
Telegraphists, Telephonists, and Typewriters	22	26	44	92
Warehousemen, Storekeepers, &c.	83	31	40	159
Watchmakers, Jewellers, and Opticians	18	17	15	50
Miscellaneous	97	170	170	437
No occupation stated (principally females)	855	1,552	1,419	3,826
Totals	3,215	3,815	4,067	11,097

EVENING READING ROOMS.

These Reading Rooms, open from 6 to 9-30 p.m., are four in number, and are located in various school-rooms. Their establishment was the outcome of a desire on the part of the Committee to give to the working classes facilities for reading within easy distance from their homes. Books are not supplied; but, instead, the principal London and local papers and a large selection of useful and entertaining magazines and periodicals are

provided. The rooms are fairly successful, but the school furniture and the difficulty of storing chairs and tables for reading purposes prevent anything like a complete success.

The attendances are as follows :—

	1891.		1890.	
	Atten- dance.	Average per night.	Atten- dance.	Average per night.
Chatsworth Street Board School	29,770	97	30,866	101
Queen's Road Board School	13,854	62	21,282	70
Stanley Road Board School	32,970	109	30,800	101
Wellington Road School.....	26,275	87	25,643	84
Totals.....	107,869	355	108,591	356

FREE LECTURES.

The Free Lectures are among the more important and encouraging work of this Institution. The number of lectures delivered during the year have been 54, and the audiences have averaged for each of the 42 Winter Lectures 722, and for the 12 delivered in the Autumn 367.

The lectures are intended to encourage useful reading, but especially to give to artizans and labourers the opportunity of gaining information in science, history, geography, &c., which want of time or deficiencies of early education prevents them acquiring in a more sure and solid, but less attractive way. The total number of persons who attended the lectures was 34,726. The lectures were as follows :—

WINTER SERIES.

- BARK, JOHN, J.P., M.R.C.S. "Down the Thames;" illustrated by the Oxyhydrogen Light.
- BEER, ADOLPH W. "Modern Rural Rides;" illustrated by the Oxyhydrogen Light.
- BEER, JOHN T., F.R.A.S. "The motions of the Moon, with some of their terrestrial results;" illustrated by the Oxyhydrogen Light.
- BIRCHALL, JAMES. "The Rhine, the great commercial waterway of mediæval Europe;" illustrated by the Oxyhydrogen Light.
- BIRCHALL, JAMES. "The Saracens in Europe, and the Power that repelled their Advance;" illustrated by the Oxyhydrogen Light.
- BULKELEY, OWEN T. "Jamaica;" illustrated by the Oxyhydrogen Light.

- CLEGG, CHARLES E. "Longfellow."
- CLIBBORN, FREDERIC. "Normandy;" illustrated by the Oxyhydrogen Light.
- COGAN, J. D., Royal Institution, Bath. "The Marvellous in Nature;" illustrated by Experiments.
- CURZON, FRANK. "The Influence of the Character on the Countenance."
- DAVIES, EDWARD, F.C.S., F.I.C. "The Chemistry of Sugar and Cotton;" illustrated by Experiments.
- DAVIES, ROBERT CH., F.S.SC. (Lond.) "The Science of Gesticulation."
- DIBDIN, EDWARD R. "David Garrick."
- DUNCANSON, THOMAS, JUNR., A.M.INST.C.E. "The Vyrnwy Valley: as it was and is;" illustrated by the Oxyhydrogen Light.
- DYALL, CHARLES, Curator, Walker Art Gallery. "Characteristics of Modern Art;" illustrated by the Oxyhydrogen Light.
- EDWARDS, FREDERICK W. "English Trade-Guilds and their Influence on English Industry;" illustrated by the Oxyhydrogen Light.
- FORTAY, J. BUTLER, Organist, Emmanuel Church, Liverpool. "Life and Works of Handel;" with Vocal and Instrumental Illustrations.
- GASKING, REV. SAMUEL., B.A., F.L.S., F.G.S., &c. "Sea Cucumbers;" illustrated by the Oxyhydrogen Light.
- GIBSON, R. J. HARVEY, M.A., F.L.S., Lecturer on Botany, University College, Liverpool. "Life-history of some Common Seaweeds;" illustrated by the Oxyhydrogen Light.
- GOLDING, W. H. "Engineering Triumphs;" illustrated by the Oxyhydrogen Light.
- GREEN, ROBERT F. "Some Famous Churches and the stories connected with them;" illustrated by the Oxyhydrogen Light.
- HARRIS, CHARLES, M.A. "The Story of a Daisy, or Plants and their Ancestors;" illustrated by the Oxyhydrogen Light.
- HERDMAN, W. A., D.Sc., F.L.S., &c., Professor of Natural History, University College, Liverpool. "The Importance of Form and Colour to Marine Animals;" illustrated by the Oxyhydrogen Light.
- HICKS, J. SIBLEY, M.D., F.R.C.S. "The Habits of some Insects;" illustrated by the Oxyhydrogen Light.
- JEFFS, OSMUND W. "The Geology of the Mersey Basin;" illustrated by the Oxyhydrogen Light.

- LESLIE, FRANK J., F.R.G.S. "Lancashire Life in the 17th Century;" illustrated by the Oxyhydrogen Light.
- MACCUNN, JOHN, M.A., Professor of Philosophy, University College, Liverpool. "The Rule of the Majority."
- McMILLAN, R. "Canary and the Canaries;" illustrated by the Oxyhydrogen Light.
- MOORE, G. FREDERIC. "Some Monkeys: their habits and peculiarities;" illustrated by the Oxyhydrogen Light, and Specimens.
- MOORE, J. MURRAY, M.D., F.R.G.S. "The New Zealand of to-day;" illustrated by the Oxyhydrogen Light.
- NARRAMORE, WILLIAM, F.L.S. "Curious Feet, Wonderful Jaws, and Fantastic Heads: a Study among the Rotifera;" illustrated by the Oxyhydrogen Light.
- POTTS, JOHN, F.G.S. "Florence: its art and its teaching;" illustrated by the Oxyhydrogen Light.
- RALEIGH, WALTER, M.A., Professor of Modern Literature, University College, Liverpool. "Thoreau: the story of an unsocial experiment."
- RIDDETTE, REV. J. H. "The Transvaal: its people, its resources, its goldfields;" illustrated by the Oxyhydrogen Light.
- SHAW, H. S. HELE, M. INST. C.E., Professor of Engineering, University College, Liverpool. "The Use of Lines to Represent Facts;" illustrated by the Oxyhydrogen Light.
- SNAPE, THOMAS. "Stanley and Africa;" illustrated by the Oxyhydrogen Light.
- STRONG, H. A., M.A., LL.D., Professor of Latin, University College, Liverpool. "Pictures of Indian Life;" illustrated by the Oxyhydrogen Light.
- STUBBS, CAPTAIN EDWARD, R.N. "Naval Engagements with Ironclad Ships;" illustrated by the Oxyhydrogen Light.
- THOMPSON, GEORGE E. "Up the Mediterranean;" illustrated by the Oxyhydrogen Light.
- VEITCH, JAMES, M.A. "Continental Scenes and Cities;" illustrated by the Oxyhydrogen Light.
- WATTS, HERBERT, M.A. "Paradise Lost."
- WILLIAMS, REV. S. FLETCHER. "Sir Thomas More's 'Utopia' and Modern Socialism."

AUTUMN SERIES.

Three Lectures on "Botany for Beginners," by the REV. JOHN GERARD, S.J.; illustrated by the Oxyhydrogen Light.

Three Lectures on "Art a necessity of Civilized National Life," by PHILIP H. RATHBONE, J.P.; illustrated by the Oxyhydrogen Light.

Three Lectures on "English Music," by WALTER BURNET; with Vocal and Instrumental Illustrations.

Three Lectures on "Lyric Poetry of the Victorian Age," by R. J. LLOYD, M.A., D.LIT.

SUMMARY OF STATISTICS OF LIBRARY DEPARTMENT.

	Volumes issued.	Weekly, &c. Magazines issued.	Newspaper Visitors.	Lecture Attendances
BROWN LIBRARY:				
Volumes issued	183,679	..	..	..
Monthly and Weekly Magazines .....	..	139,273	..	..
Illustrated Papers, issued in volumes, ("The Graphic," "Illustrated London News," "Punch," &c.)	112,421	..	..	..
Directories	70,648	..	..	..
Specifications of Patents for Inventions	15,809	..	..	..
Visitors to the Newspapers .....	..	..	172,334	..
PICTON READING ROOM:				
Volumes issued	173,831	..	..	..
Magazines and Reviews .....	..	118,497	..	..
NORTH, SOUTH, AND EAST LENDING LIBRARIES:				
Volumes lent	424,160	..	..	..
EAST LIBRARY READING ROOM:				
Volumes issued	34,677	..	..	..
Magazines and Reviews .....	..	55,364	..	..
Visitors to the Newspapers .....	..	..	47,079	..
EVENING READING ROOMS:				
Newspapers, Magazines, and Reviews ..	..	107,869	..	..
LECTURES:				
Attendance .....	..	..	..	34,726
Totals	1,015,225	421,003	219,413	34,726

MUSEUM.

VISITORS TO MUSEUM.

	1891.	1890.
	(261 Days)	(262 Days)
Total Visitors in the Year	320,387	340,228
Weekly Average	6,161	6,542
Daily Average	1,227	1,298

MONDAY EVENING OPENING OF THE MUSEUM.

The Museum was open on 26 evenings, and the total attendances were 6,635, giving an average attendance of 255 per evening.

Short Lectures were given each evening on specimens in the Museum, and were much appreciated.

LECTURERS AND SUBJECTS.

1891.

- Jan. 5th.—On Ancient Dragons, by Mr. Daniel Clague, F.G.S.
 Jan. 12th.—On Egyptian Flutes, by Mr. W. I. Argent.
 Jan. 19th.—On the Story of a Grain of Sand, by Mr. J. Lomas,
 Assoc. N.S.S.
 Jan. 26th.—On Ancient Arms and Implements of War, by Mr. T. Tarleton.
 Feb. 2nd.—On Chalk Makers, by Mr. W. H. Read.
 Feb. 9th.—On Messmates: Animals that live together for Mutual
 Benefit, by Mr. J. Hornell.
 Feb. 16th.—On Samian Ware, by Mr. John T. Beer, F.S.A.S.
 Feb. 23rd.—On Bells, by Mr. W. I. Argent.
 Mar. 2nd.—On Spinning Wheels, by Miss E. M. Wood.
 Mar. 9th.—On New Guinea, by Mr. P. Entwistle.
 Mar. 16th.—On Fossils, by Mr. W. Hewitt, B. Sc.
 Mar. 23rd.—On Birds, by Mr. Richard Paden.
 Mar. 30th.—On the Museum, by the Rev. Henry H. Higgins, M.A.
 Oct. 5th.—On the History of the Living Collections at Knowsley, by
 Mr. T. J. Moore.
 Oct. 12th.—On the Dawning of Civilization in Egypt and Babylonia, by
 the Rev. F. F. Grensted, M.A.
 Oct. 19th.—On the Mosses found in the neighbourhood of Liverpool, by
 Mr. F. P. Marrat.

Oct. 26th.—On Monkeys, by Mr. G. F. Moore.

Nov. 2nd.—On the Wonders of Wind Instruments, by Mr. W. I. Argent.

Nov. 9th.—On Some Old Bones, by Mr. D. Clague, F.G.S.

Nov. 16th.—On Arrows and Arrow Poisons, by Mr. T. H. Wardleworth.

Nov. 23rd.—On Are Birds Enemies of Man? by Mr. J. W. Cutmore.

Nov. 30th.—On the Ancient Pottery of Cyprus, by Mr. John T. Beer,

F.S.A.S.

Dec. 7th.—On a Stick of Sealing Wax, by Miss E. M. Wood.

Dec. 14th.—On Wells and Springs, by Mr. J. Butler Davies.

Dec. 21st.—On Boulders, by Mr. J. Lomas, Assoc. N.S.S.

Dec. 28th.—On Platinum and Lead, by Mr. A. Lutschaunig.

Report on a Loan Collection of Mechanical and Physical Apparatus, designed by the Sub-Committee of the Liverpool Free Public Museum, for the Use of Schools and Science Teachers, in accordance with the Government Grant in Aid of Technical Education. Commenced June, 1891.

The experience gained by the working of a Collection of Circulating Museum Cabinets, containing specimens of Natural History, Mineralogy and Economic Products, established in 1884, seemed fully to justify the extension of the collection, in the direction of a series of appliances illustrating the details of Technical instruction.

A meeting of Head Masters and Mistresses in Training, Voluntary and Board Schools was convened on Saturday, January 30th.

Mr. Hewitt and other Teachers attended. After inspecting the apparatus, they assembled in the Board Room, and notes were made of their remarks and suggestions, which were considered to be uniformly encouraging.

A second meeting, consisting of Science Teachers, was well attended, and their approbation of the scheme was warmly expressed.

Mr. Paden has prepared a catalogue of the apparatus and appliances.

The collection will have to be brought into circulation by instalments.

CIRCULATING SCHOOL CABINETS.

As in former years, these Cabinets have been issued regularly, and several applications have been received from Masters of Elementary Schools, during the year, asking to be placed on the list of schools receiving loans from the Museum.

It is hoped that before long additional Cabinets of Economic Products will be added to the collection.

DONATIONS.

Rose leaves cut by the Leaf-cutting Bee, *Megachile centuncularis*, with nests, cocoons, grubs, pollen, &c., taken from a greenhouse; presented by Mr. R. M. Adam.

A living Terrapin, *Emys Holbrookii*, from the Mississippi; presented by Mr. J. Bentley.

A Lamprey, caught at New Brighton; presented by Mr. Henry Buckley.

A Fossil Fish, *Hybodus strictus*? from Portland, Oolite, and an Ammonite, *Harpoceras*; presented by Mr. H. P. Boulnois, City Engineer.

A collection of Dried Plants and Mosses, principally collected in the neighbourhood of Liverpool; presented by Mr. Walter Boulton.

Two Garnets in Mica schist, from America; presented by Mr. Inspector Collingwood.

A few small Bones, &c., from Trwyn-y-fuwch Cave, Little Orme's Head; presented by Mr. T. R. Connell.

A small collection of Bird Skins, 31 Birds' Eggs, and the Skin of a Fox, from Fao, India; presented by Mr. W. D. Cumming, per Mr. A. Jones.

A Squid, *Ommastrephes*, from the West Indies; presented by Capt. H. Daniels.

A Common Snake, *Tropidonotus natrix* (living), from Caergwrle; presented by Mr. W. A. Dutton.

The Model of a Salt Mine at Berchtesgaden, Bavaria; presented by Miss Duarte, per Mr. J. F. Leigh Clare.

A small collection of Shells, &c., from the Philippines; presented by Mr. A. Earle.

Black Coral, *Antipatharia*, from Jeddah, Red Sea ; presented by Mr. John Fulton.

Three living specimens of the Common Snake, *Tropidonotus natrix*, from Wrexham, presented by Mr. J. Griffiths.

A large Shell, *Achatina bicarinata* ; presented by the Rev. Henry H. Higgins, M.A.

A Scorpion and a Spider, from Cape Town, South Africa ; presented by Mr. G. J. Hill.

Roots of a Willow found growing in a water-tank about 50 feet from the tree ; presented by Mr. F. W. Holder.

A specimen of *Odostomia*, and an enlarged Model of *Odostomia* ; presented by Prof. G. B. Howes.

Specimen of Crystallized Bismuth ; presented by Messrs. H. & S. Johnson.

Three Fresh-water Shells, *Paludina Listeri*, from Southport ; presented by Mr. A. Leicester.

One Horned Lizard, from San Diego ; presented by Mrs. Litherland.

Two Living Chameleons, from Egypt ; presented by Mr. Thomas Lockyer.

Twenty-one specimens of Marbles, also 170 species of Opercula of Land, Freshwater, and Marine Shells ; presented by Mr. F. P. Marrat.

Two Jars containing the Metamorphoses of the Ant Lion, and the Colorado Beetle ; received in exchange from Messrs. Moore Bros.

A Drawing showing section of Strata from the River Dee to Huyton ; presented by Mr. G. H. Morton, F.G.S.

Specimen of Crustacea, from British Columbia ; presented by Dr. C. F. Newcombe.

A living Mastigure Lizard, *Uromastrix*, from India ; presented by Mr. W. Nicholas.

A collection of British Mosses, collected and bequeathed to this Institution by Mr. Thomas Palgrave. This collection is the more valuable on account of the able assistance in the discrimination of the species by most of the learned Botanists of their day, such as Dr. Hooker, of Kew, Dr. Greville, Mr. William Wilson, and many others. Dr. Schimper, of

Strassburg, the most noted of European Botanists, furnished Mr. Palgrave with nearly every rare British species, and with typical foreign specimens. This collection of British Mosses is one of the best and most complete in England at the present time.

Casts of Shells from a railway in the Royal Park, Melbourne, 120 feet above the sea level ; presented by Mr. James Parr.

A young Gavial, 3 feet long, *Gavialis gangeticus* ; presented by Mr. A. C. Phillips.

A living Alligator, *Alligator Mississippiensis*, from New Orleans ; presented by Capt. Reynolds, s.s. Governor.

A specimen of a new species of Tanager, *Spindalis benedicti*, Ridgway, from Cozumel Island, Yucatan ; presented by Mr. Osbert Salvin, f.z.s.

Three samples of Tin Ores ; presented by Mr. J. B. Schweitzer.

Five slabs of Keuper (T.M.R.) Sandstone, showing sun cracks and ripple marks, from the excavations for the extension of the Chesire Lines Offices, Brunswick Station, between Sefton Street and Northumberland Street ; presented by Mr. Wm. Scott, Engineer to the Co., per Messrs. Neill & Sons, Contractors, and Mr. T. Mellard Reade, f.g.s.

A specimen of Fossil Coral, *Syringophora* on the shell of a *Productus* in black marble ; presented by Mr. Edward Segar.

One Shark, one pair of Shark's Jaws, and five Fish from Barbados ; presented by Mrs. Simpson.

Two specimens of the Tailed Priapulus, *Priapulus caudatus*, Lam. contracted and distended, from Waldringfield on the Deben ; collected and presented by Dr. H. C. Sorby, f.r.s.

Three Nests of Humming Birds ; presented by Mr. Frederick Taylor.

Seeds of the India-rubber Tree ; presented by Mr. T. J. Taylor.

A collection of Seeds from British Guiana ; presented by Miss Tinne.

Two specimens of Graptolites, from the shale beds, Dobb's Linn, Moffatdale, Dumfriesshire ; presented by Mr. Robert Turnbull.

A lesser White-nosed Monkey, *Cercopithecus petaurista*, from West Africa ; presented by Mrs. Webster.

Two Human Skulls, from an old battlefied near Lamu, E. Coast of Africa ; and a Coco-de-Mer, from Praslin Island, Seychelles ; presented by Surgeon Weightman, R.N.

A Slavonian Grebe, *Podiceps auritus* ; presented by Mr. T. West.

PURCHASES.

The purchases, during the year, for the Natural History Department, have been of a minor character, owing to the limited funds at the disposal of the Committee.

MAYER MUSEUM.

The loans of specimens from the collection have been very numerous. The late Mayor (J. B. Morgan, Esq.) had on several occasions selections of Liverpool Pottery, Arms and Armour, and Musical Instruments, for display at the Town Hall, on the occasion of his "At Homes."

A selection of Nautical Instruments was lent to the Royal Naval Exhibition, Chelsea, in May last.

The majority of the Egyptian Antiquities have been mounted and labelled. The valuable Papyri (Mayer A & B) have been mounted between glass in such a way that both sides of the Papyri may be seen and examined with safety. A translation of the Papyri was made by Wilhelm Spiegelberg, of Strassburg, and published by the Committee.

The reserve cases in the great hall, for displaying the numerous Ethnographical objects (which are not exhibited, owing to want of space) have been of great service ; groups of objects from West Africa, Patagonia, Australia, &c., having been displayed in them during the year.

A few of the balustrade cases in the middle gallery have had spring roller blinds attached, for the better protection of specimens there displayed.

DONATIONS.

Plaque, cut out of coral, from the ruins of a Mosque on Lamu Island, East Africa ; collected and presented by Surgeon Weightman, R.N.

Shilling of Queen Elizabeth, Halfpennys of George III., and a Charles Farthing, found by the workmen engaged in demolishing the village of Llanwddyn, N. Wales ; presented by the Water Committee.

Mediæval Tiles, and portions of Tiles, a Jug, Tygs, and fragments of Glass, &c., found during recent excavations at Burscough Priory ; presented by the Rt. Hon. the Earl of Derby, per Mr. James Bromley.

Casts of New Zealand Jade "Tikis," and a Carved Head ; presented by Mr. W. H. Drew, Wanganui, New Zealand.

Belt, with three pouches, made of Capybara skin, from Beunos Ayres ; presented by Mr. James French.

Statuette of J. J. Rousseau, in cream-coloured pottery, an impression from the old mould at Etruria ; presented by Mr. Godfrey Wedgwood.

Two Japanese Kites ; presented by Mr. A. Earle.

China Candlestick, modern Wedgwood ; presented by Mr. F. P. Marrat.

Four Copper Coins, Guernsey, 1889 ; presented by Dr. J. B. Nevins.

PURCHASED.

Eight War Medals, Afghanistan, India, Burma, North-West Frontier, China, and Egypt.

Jug, cream-coloured pottery, printed subjects :—Hope, resting on an anchor ; Rev. :—Ship, and inscription, "SUCCESS TO THE MALLY, CAPT. ROBT. JACKSON."

Necklace, in silver, Russian Lapland.

Pair of Agate Candlesticks, modern Wedgwood.

Repoussé Plaque, from Cashmere.

Two Busts of General Washington and Admiral Lord Duncan, made at the Herculaneum Pottery, Liverpool.

EXCHANGE.

A collection of Flints and appliances illustrating fully the manufacture of Gun and Tinder Flints, as now carried on at Brandon, Suffolk ; received in exchange from Mr. Edward Lovett.

WALKER ART GALLERY.

During the past official year the Walker Art Gallery has been utilized to its utmost capacity, and nothing has been lost sight of by the Committee that would tend to render the Institution popular and instructive.

The public have not been slow to avail themselves of the facilities afforded for Art study, and have most loyally supported the various exhibitions that have been held, while the largely increased number of visitors to the Permanent Gallery gives evidence of the growing interest shown in the collection by the inhabitants of the City and neighbourhood.

In the early part of the year a Photographic Exhibition was held in the Gallery, under the auspices of the Liverpool Amateur Photographic Association, which was very largely attended, and proved very successful and profitable to the promoters.

His Worship the Mayor, J. B. Morgan, Esq., during his year of office invited the Members of the Institute of Mechanical Engineers to a reception and ball, for which purpose the upper rooms were specially arranged and decorated.

The chief event of the year in the Committee's operations was of course the Autumn Exhibition, which was more than usually successful. Not only was the general character of the Exhibition of a high order, but several works of exceptional interest, kindly lent by their owners, proved so attractive that the receipts of the exhibition were thereby considerably augmented.

The year has been notable from the fact that for the first time the Art Gallery has been open to the public on Sundays, this having been recommended by the Committee and endorsed by the City Council. Up to the time of this report the Gallery has been open on 13 Sunday afternoons from 2-30 to 5-30, the attendance averaging 1,773 per Sunday.

In the midst of the activity which characterized the year's operations the Committee, at the suggestion of the Right Honorable A. B. Forwood, M.P., with a view to calling public attention to technical education, decided upon holding a Naval Exhibition in the Gallery in the early Spring of 1892. The carrying out of this project, involving a large

amount of thought and labour, has been successfully accomplished, and the Exhibition is so extensive and complete in character that it will long be remembered as one of the most important and interesting events in the history of the Art Gallery.

Mr. George Holt having suggested that Mr. W. Holman Hunt's celebrated picture, "The Triumph of the Innocents," should be secured for the Permanent Collection, and at the same time offering to contribute the sum of £500 towards the purchase, the matter was taken up by Mr. Harold S. Rathbone, with the result that the work has been acquired by the Corporation for the Permanent Collection. A sum of £1,500 towards the purchase of the work was voted by the Arts Committee and a further sum of £2,000 was contributed by the public, this amount having been collected chiefly through the enthusiasm and perseverance of Mr. Harold S. Rathbone.

The Gallery was open on 294 days and closed for cleaning and other purposes on 19 days.

The total number of visitors was 503,991, being a daily average attendance of 1,714. The above total includes 90,594 visitors who paid for admission to the Autumn Exhibition, and nearly 13,000 pupils of schools of various denominations admitted free.

The Committee lent the picture by West, P.R.A., entitled "The Death of Nelson," to the Royal Naval Exhibition, Chelsea, which was open from May 2nd to the end of October.

ADDITIONS TO THE PERMANENT COLLECTION BY PURCHASE.

From the Autumn Exhibition of 1891 :—

"A Select Committee" (oil), by H. Stacy Marks, R.A.

"An Idyl" (oil), by Maurice Greiffenhagen.

"In the Reign of Terror" (oil), by Miss Jessie Macgregor.

"Ronda Fair" (water colour), by Arthur Melville, A.R.W.S.

"There is a Rapture on the Lovely Shore" (water colour), by George Cockram.

Bronze Statue, "Peace," by E. Onslow Ford, A.R.A.

Terra-Cotta Bust of the late Edwin Waugh, by E. E. Geffowski.

From other sources :—(Oil Paintings).

“ The Triumph of the Innocents,” by W. Holman Hunt, R.W.S.

“ A Burgomaster ” (Flemish School).

“ Donkey and Foal,” by William Huggins.

DONATIONS TO THE PERMANENT COLLECTION.

Three Autotypes of Elgin Marbles, and Part II. Reproductions of Drawings of the Old Masters, presented by the Trustees of the British Museum.

Oil Painting, entitled “ The Founder of English Astronomy,” by Eyre Crowe, A.R.A., purchased from the Liverpool Autumn Exhibition of 1891, and presented by Charles W. Jones, Esq.

AUTUMN EXHIBITION OF PICTURES.

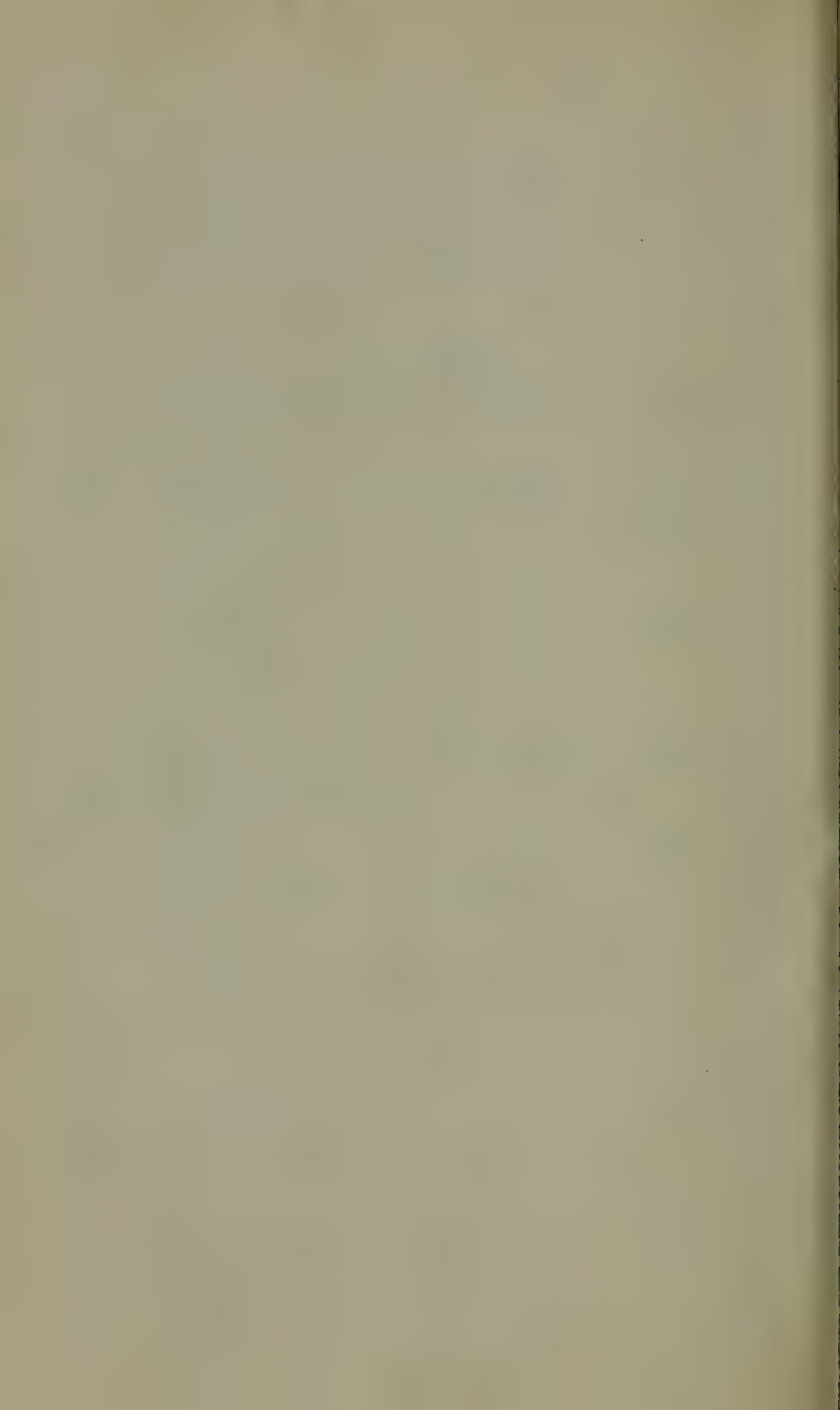
	1891.			1890.				
		£	s.	d.		£	s.	d.
Number of Pictures and other Works of Art Exhibited	1,281				1,307			
Number of Pictures sold	159				188			
Amount realized by sales		7,603	2	0		6,943	1	6
Season Tickets sold	3,413	593	14	0	2,961	511	12	6
Admissions at One Shilling.....	35,303	1,765	3	0	27,451	1,372	11	0
„ Sixpence	15,951	398	15	6	15,007	375	3	6
„ Threepence	35,927	449	1	9	19,298	241	4	6
Catalogues sold	23,810	589	1	6	19,345	484	18	0
Commission on sales		281	4	3		221	16	9
Miscellaneous Receipts		61	15	6		79	1	4
Total Receipts, exclusive of sales ..		4,138	15	6		3,286	7	7

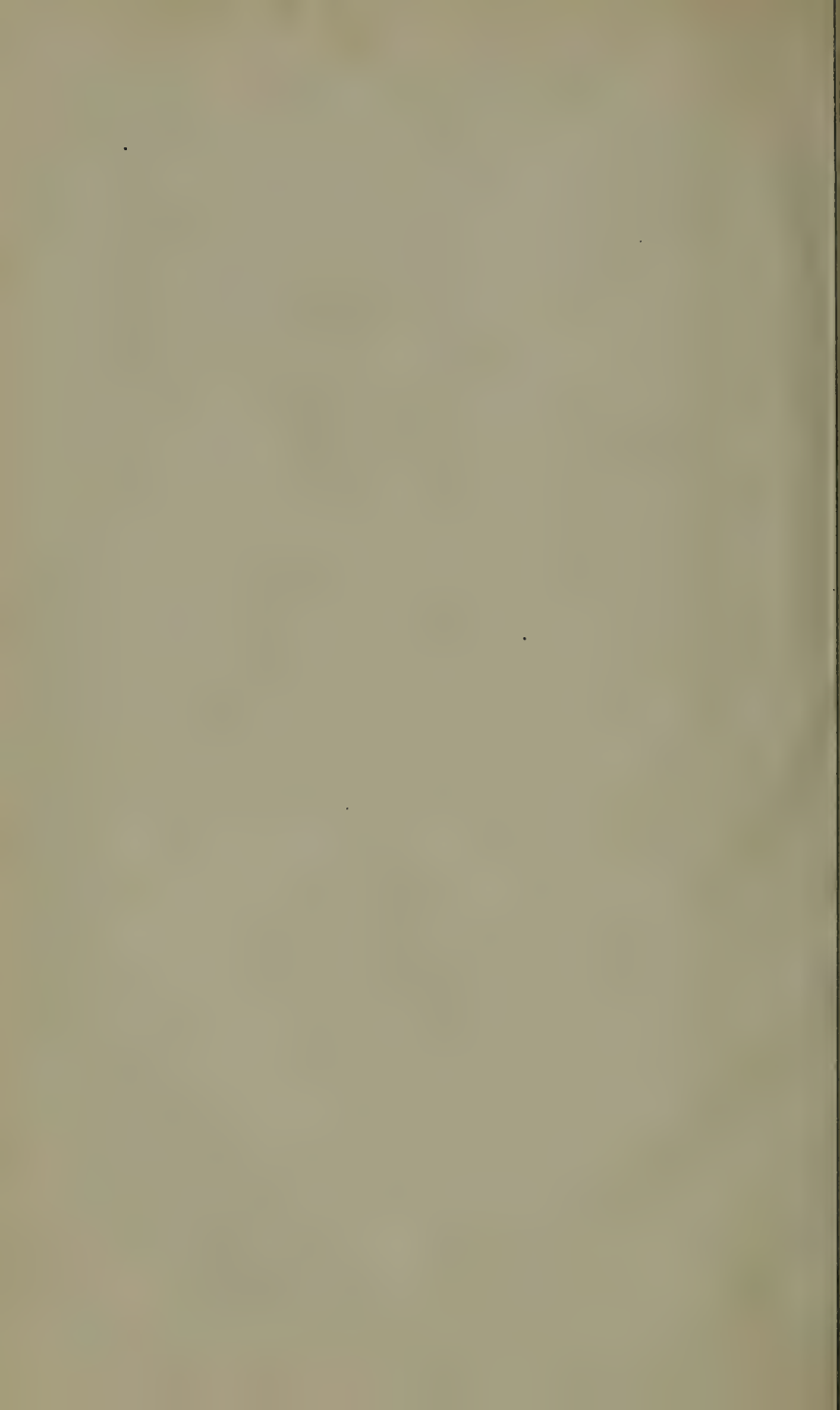
TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 21 YEARS, FROM 1871 TO 1891.

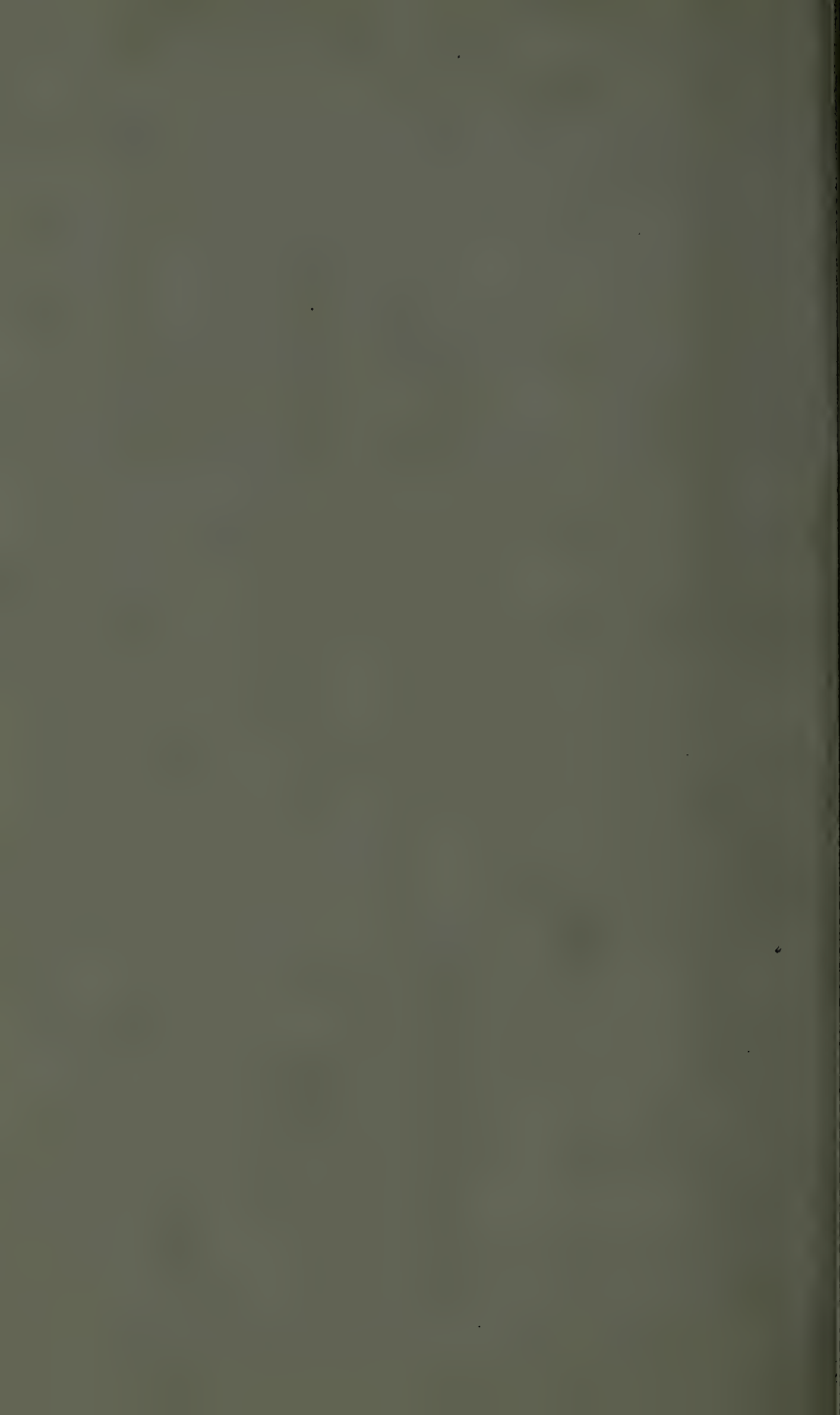
Year.	ADMISSIONS.			Season Tickets.	Catalogues Sold.		Commission on Pictures Sold.		Miscellaneous Receipts.		Total Receipts.	PICTURES SOLD.		
	One Shilling.	Sixpence.	Threepence.		£	s. d.	£	s. d.	£	s. d.		£	s. d.	No.
1871	720 16 0	...	207 14 6	62 2 0	165 10 0	0 0	320 18 6	6 6	46 4 4	1,523 5 4	235	6 395 2 6		
1872	601 5 0	175 9 6	48 2 6	59 6 6	168 0 6	6 6	312 6 0	0 0	3 18 3	1,368 8 3	242	6,231 4 6		
1873	665 18 0	...	229 10 3	96 8 6	199 17 0	6 6	371 17 0	0 0	2 10 0	1,566 1 3	271	7,402 17 6		
1874	854 16 0	...	241 13 8	151 16 6	247 0 6	6 6	479 0 3	0 0	2 7 0	1,976 13 6	337	9,514 13 0		
1875	972 13 0	77 17 6	237 14 0	210 7 0	279 14 3	3 3	617 3 0	0 0	11 9 2	2,406 17 11	345	12,999 18 6		
1876	1,118 0 0	86 9 6	232 7 6	221 1 0	301 12 0	1 0	440 15 3	3 3	9 10 7	2,409 15 10	255	8,807 10 0		
1877	1,928 12 0	...	419 3 3	443 14 0	454 10 1	6 6	537 11 2	2 2	18 4 2	3,801 14 8	301	10,903 11 0		
1878	1,904 17 0	380 9 6	423 5 0	528 14 6	562 8 6	6 6	237 13 0	0 0	142 0 4	4,189 7 10	235	6,225 14 0		
1879	1,616 12 0	212 1 6	378 11 9	566 7 6	504 9 3	3 3	364 16 0	0 0	7 17 0	3,550 15 0	267	9,159 15 0		
1880	1,449 11 0	274 4 6	439 19 6	499 16 0	509 7 3	3 3	544 8 3	3 3	10 17 7	3,727 19 1	271	11,753 7 6		
1881	1,434 15 0	289 4 6	376 4 6	475 14 0	468 19 9	9 9	523 7 6	6 6	15 9 6	3,583 14 9	315	12,210 11 0		
1882	1,430 3 0	299 3 6	332 16 0	476 1 0	472 14 6	6 6	362 8 9	9 9	23 1 11	3,396 8 8	311	7,868 3 6		
1883	1,302 1 0	273 8 0	301 17 3	381 3 6	434 15 3	3 3	403 13 0	0 0	32 6 10	3,132 5 4	226	8,472 10 6		
1884	1,966 12 0	535 0 6	510 14 3	649 7 6	599 13 3	3 3	432 6 3	3 3	87 7 5	4,790 1 2	291	12,313 7 6		
1885	1,317 9 0	366 9 0	344 10 0	501 7 6	481 7 9	9 9	353 17 0	0 0	44 1 10	3,409 2 1	196	8,028 8 6		
1886	1,147 1 0	397 14 0	333 15 0	302 10 6	434 9 0	6 6	336 13 9	9 9	36 19 7	2,989 3 7	224	8,576 18 0		
1887	888 15 0	389 18 6	260 0 0	216 4 0	371 2 3	3 3	185 3 9	9 9	18 11 0	2,329 14 6	181	4,791 19 0		
1888	1,473 5 0	623 9 0	186 11 3	384 1 0	524 17 6	6 6	268 16 9	9 9	40 3 3	3,501 3 9	168	6,461 6 0		
1889	1,475 4 0	588 7 6	92 15 6	432 11 6	524 9 6	6 6	283 10 6	6 6	75 2 7	3,472 1 1	184	8,083 3 6		
1890	1,372 11 0	375 3 6	241 4 6	511 12 6	484 18 0	0 0	221 16 9	9 9	79 1 4	3,286 7 7	188	6,943 1 6		
1891	1,765 3 0	398 15 6	449 1 9	593 14 0	589 1 6	6 6	281 4 3	3 3	61 15 6	4,138 15 6	159	7,603 2 0		
Total	27,365 19 0	5,693 5 6	6,299 12 3	7,764 0 6	8,778 18 7	7	7,879 1 8	8 8	768 19 2	64,549 16 8	5,202	180,166 4 6		



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15 JUL. 1898







FORTIETH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY,
OF THE
CITY OF LIVERPOOL,
FOR THE YEAR ENDING 31st DECEMBER, 1892.



LIVERPOOL:
J. R. WILLIAMS & CO., PRINTERS, 8, SCHOOL LANE,

1893.

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FOR THE YEARS 1892-3.

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GENERAL REPORT.

It is gratifying to be able to report the continued prosperity of the Institutions under the direction of the Library, Museum, and Arts Committee. In every direction we notice an increase in the public estimation of our work, and a growing eagerness to avail themselves of the advantages these Institutions confer. A few figures will at once prove this. The Brown Reading Room was last year attended by upwards of 900,000, the Picton Reading Room by over 300,000 readers. Over one million books were issued by the libraries, and over half a million magazines ; while the visitors making use of the newspaper files reached 329,000. The attendances at the Lectures numbered 38,611 ; and at the Evening Reading Rooms 109,258. At the Museum there have been 327,448 visitors, or a weekly average of 6,297. The number of visitors to the Art Gallery was 619,647.

From these figures it is estimated that upwards of two million persons have made use of our Institutions. There is no doubt that a considerable portion of these visits were made for the purpose of entertainment, but it is satisfactory to feel that the entertainment afforded in all cases carries with it some intellectual or educational benefit.

The Committee have desired to popularise their work, in the hope that by attracting visitors they were taking the best means of inducing an increased regular attendance. We are very much the creatures of habit, and it has been felt that if we can only attract new comers, a very considerable proportion will become regular in attendance ; and though such attendance may in the first instance be for newspaper reading, a certain percentage will be induced to go forward and become serious readers and students ; and in this connection it is gratifying to notice the large increase in the issue of books on science and art.

A work of this magnitude cannot be carried on without considerable expense. In Liverpool the funds at the disposal of the Library Committee are limited to the produce of a rate of one penny in the pound, which produced last year only £11,300, as against £13,000 five years ago. If it had not been for the grants made by the City Council out of the Exchequer Contribution Account, it would have been quite impossible to have maintained the institutions in their present state of efficiency. Other towns are more favourably placed, and in all the larger cities and boroughs a rate of twopence in the pound is devoted to the maintenance of the public libraries alone.

Liverpool was one of the earliest cities to inaugurate free public libraries, but we are already left behind in their development. We have only one branch library worthy of the name ; those at the North and South ends of the City being small and inconvenient, and devoid of reading rooms. The time has arrived when new libraries with commodious reading rooms must be provided, and the Committee are taking steps to find suitable sites with a view to recommending the erection of new branch libraries to the City Council.

During the past year large and convenient accommodation has been provided in the basement in the Free Library for Patents and Newspaper files : thus giving additional and much-needed book space in the upper room.

The sanitary arrangements of the building have also been entirely reconstructed.

We have to record the death of the Curator of our Museum, Mr. T. J. Moore, after forty years service. He brought to bear upon the discharge of his duties the enthusiasm of a born student of nature, combined with a profound scientific knowledge of his profession, which won for him the admiration and respect of all naturalists.

We have been unable, for lack of funds, to add many specimens to our already splendid collection of Natural History objects.

We availed ourselves of an opportunity afforded last Spring to hold a Naval Exhibition in the Art Gallery, which was in every way successful. Out of the profits the Committee were able to purchase Maclise's great picture "The Death of Nelson."

The Autumn Exhibition of Pictures was, next to the year 1891, the most successful ever held. The pictures were above the average in excellence, and the exhibits of the Glasgow school attracted much attention.

During the year the Roscoe Collection of Pictures has been presented by the trustees of the Royal Institution on permanent loan. They form a unique collection of mediæval pictures, mostly of the Italian school, containing examples of many of the old masters, which will be of great interest and educational advantage. This collection forms a very valuable addition to the Permanent Gallery, but will necessitate the addition of further accommodation for its proper display.

We cannot conclude this *resumé* without alluding to the great work carried out by the Sub-Committee on Technical Education. A system of technical training has been introduced into Liverpool ; so wide-reaching

as to be available to every class and every trade, and so admirable in its organization that there is no apprentice or artizan so poor but can, if he has ability and industry, work his way to the highest branches of his trade or profession.

The Nautical School has been opened in the buildings belonging to the old Royal Institution. It has started under favourable auspices, equipped efficiently in every department, and with an excellent teaching staff; already over one hundred students are entered upon the Register, and there is every prospect of its advantages being readily appreciated by our seafaring population.

WILLIAM B. FORWOOD,
CHAIRMAN.

REFERENCE LIBRARY.

The Reference Library, through the medium of the Brown Reading Room for popular reading and the Picton Reading Room for reading of a more studious character, maintains unimpaired its great hold on public favour. There are few sights more calculated to impress the imagination than the Brown Reading Room, crowded as it often is with more than 500 men standing round the newspapers of the day or seated enjoying the contents of volumes of the illustrated periodicals or the works of the best writers of English prose fiction. And if we take, in conjunction with this, the 150 to 200 students who may often be seen in the adjoining Picton Reading Room absorbed in works of a more thoughtful kind, the sight is still more impressive, and well calculated to illustrate the important work which this Library is engaged in. The Brown Reading Room being assigned for the perusal of popular literature, is by far the best-attended room. Here are found the principal London, local, and provincial papers; magazines of a varied and entertaining character; the principal trade, county, and city and town directories to which there is unrestricted access; and for those who desire light literature, there is available a selection of the works of the best novelists. The statistics of issues and attendances of this part of the Library are as follows:—

Visitors to the Newspapers (computed on the basis of periodical counts)	271,333
Monthly and Weekly Magazines issued	248,350
Illustrated Papers issued in volumes (as the Graphic, Illustrated London News, Punch, &c.)	117,196
Directories	82,214
Specifications of Patents for Inventions	13,410
Volumes of Prose Fiction	187,165

These figures make a total of 919,668, and though they do not represent distinct persons, they are more representative of persons than might be imagined seeing that readers confine themselves very largely to a particular kind of literature.

The Picton Reading Room is an extension of the Library built by Sir William Brown, and was so called by the City Council in honour of the late Sir James Allanson Picton, who for nearly 40 years presided over the Committee of these institutions, and who devoted so much of his time and abilities to promote their success.

The room is circular in shape, with a diameter of 100 feet. It is lighted by day from a central roof-light 24 feet in diameter, and by night by electricity from an ornamental column rising from the centre of the floor of the room. The three arc lamps, with their screen of opal glass, form one of the most effective and successful installations in the country. The room is set apart for study and literary research and inquiry. Novels and popular magazines are not issued except under very special circumstances. Pens and ink are provided on certain of the tables. Special facilities are given for obtaining dictionaries, encyclopædias, and other works of constant reference. Atlases are placed in various parts of the room, and there are some 200 of the principal scientific and literary reviews and journals, both English and Foreign, to which the readers have access at pleasure. Every desire is made to render the room as attractive for literary work as possible, and to dispense with as much "red tape" as is compatible with the safety of the books and general advantage of readers. The following comparative table shows that 201,705 volumes have been issued during the past year against 173,831 last, making an increase of 27,874 volumes. This is quite apart from the issues in the Brown Reading Room.

In the previous Report attention was called to the vote of money by the City Council, under the Customs and Excise Act, for the purpose of increasing the number of technical books in both the Reference and Lending Libraries. The addition to the libraries, from this source, of many valuable and useful books of a practical and technical kind is evidently being appreciated, for the class which has been most affected by the general increase of the issues is that of arts and sciences. Compared with last year, the issue of scientific books has increased by 10,592 volumes. To aid the student and general reader, a small Hand-list of important books of reference, with notes giving the scope and

general character of the books enumerated therein, has been published and copies placed in the room for general use. It is expected that it will prove a useful auxiliary to the catalogue. The hope held out in the last Report of finding in the basement of the Library satisfactory accommodation for the specifications of patents and files of newspapers, as well as for those who so frequently wish to consult them, has been fully realised, and apartments are now provided that have given rise to expressions of general pleasure and satisfaction.

SUMMARY OF STATISTICS OF LIBRARY DEPARTMENT.

	Volumes issued.	Weekly, &c. Magazines issued.	Newspaper Visitors.	Lecture Attendances
BROWN LIBRARY:				
Volumes issued	187,165	..	..	..
Monthly and Weekly Magazines .....	..	248,350	..	..
Illustrated Papers, issued in volumes, ("The Graphic," "Illustrated London News," "Punch," &c.)	117,196	..	..	..
Directories	82,214	..	..	..
Specifications of Patents for Inventions	13,410	..	..	..
Visitors to the Newspapers .....	..	..	271,333	..
PICTON READING ROOM:				
Volumes issued	201,705	..	..	..
Magazines and Reviews .....	..	118,030	..	..
NORTH, SOUTH, AND EAST LENDING LIBRARIES:				
Volumes lent	463,256	..	..	..
EAST LIBRARY READING ROOM:				
Volumes issued	35,170	..	..	..
Magazines and Reviews .....	..	68,705	..	..
Visitors to the Newspapers .....	..	..	58,461	..
EVENING READING ROOMS:				
Newspapers, Magazines, and Reviews ..	..	109,258	..	..
LECTURES:				
Attendance .....	..	..	..	38,611
Totals	1,100,116	544,343	329,794	38,611

NOTE.—The figures in columns 2 and 3 are computed on the basis of periodical counts of readers, but they are rather under-estimated than over-estimated.

Comparative Statement of issues in the Picton Reading Room:—

Classification.	1892.	1891.	Increase 1892.
Theology, Morals, &c.	19,706	15,694	4,012
Natural Philosophy, &c.	16,753	14,330	2,423
Natural History... ..	7,997	6,184	1,813
Science and the Arts	30,392	24,036	6,356
History and Biography... ..	18,797	15,917	2,880
Topography and Antiquities	7,637	6,059	1,578
Voyages and Travels	9,349	8,412	937
Miscellaneous Literature	36,657	34,475	2,182
Jurisprudence, Law, and Politics	5,318	4,559	759
Commerce, Political Economy, &c.	5,179	4,014	1,165
Education and Language	7,947	6,697	1,250
Poetry and Dramatic Literature	10,485	9,728	757
Latin and Greek Classics	4,469	4,053	416
Encyclopædias, &c.	21,019	19,673	1,346
Totals	201,705	173,831	27,874

TABLE.—Showing the number and classification of works contained in the Library:—

Classification.	Volumes.
Theology, Morals, &c.	7,376
Natural Philosophy, &c.	2,519
Natural History... ..	5,526
Science and the Arts	12,237
History and Biography... ..	12,770
Topography and Antiquities	5,468
Voyages and Travels	5,315
Miscellaneous Literature (principally collected Works, Essays, Reviews, Societies' Proceedings, &c., in volumes)	24,519
Jurisprudence, Law, and Politics	8,163
Commerce, Political Economy, &c.	1,682
Education and Language	1,629
Poetry and Dramatic Literature	4,114
Prose Fiction	5,481
Latin and Greek Classics and Translations	982
Encyclopædias and Works of General Reference	3,481
Total	101,262

The following Periodicals, Newspapers, &c., have been presented regularly by the respective Publishers :—

Agents' Journal	Liberal Unionist
Anglo-American Times	Library
Animals' Guardian	Light
Arms and Explosives	Light Line Magazine
Assure	Lightening
Athletic and Dramatic News	Literary News
Australian Standard	Liverpool Catholic Times
Awake	Liverpool Courier (daily and weekly)
Bible Advocate	Liverpool Echo
Blackpool Times	Liverpool Express
Brewers' Guardian	Liverpool Journal of Commerce
British Columbia Commonwealth	Liverpool Mercury (daily and weekly)
British Journal of Commerce	Liverpool Porcupine
British Temperance Advocate	Liverpool Post (daily and weekly)
British Woman's Temperance Journal	Liverpool Programme
Builders' Reporter	Liverpool Review
Building World	Liverpool Sentinel
Cambridge Examiner	Liverpool Y.M.C.A. Journal
Canadian Patent Office Record	Llandudno Advertiser
Cape Argus	Machinery
Chambers' Journal of Commerce	Machinery Market
Charity Record	Manufacturers' and Engineering
Children's World	Export Journal
Child's Guardian	Manufacturer and Builder
Church Missionary Gleaner	Medium
Church Missionary Intelligencer	Merchant Taylor's Review
Church Monthly	Midland News
Church Musician	Miller
Civil Service Aspirant	Milling
Civil Service Competitor	Modern Review
Colonies and India	Mona's Herald
Commercial and Transport World	Money and Trade
Concord	Morning
Day of Days	Musical Herald
Discovery	National Society of Professional
Eastbourne Standard	Musicians : Monthly Journal
Educational Times	Natural Food
Electrical Review	Nature Notes
Electrician	New Church Magazine
Electricity	News
Emigrant	Nonconformist Musical Journal
Engineering Review	Northampton Mercury
Englishwoman's Review	Oddfellows' Magazine
Enquire Within	Official Journal of the Patent Office
Financial Reformer	Oxford Chronicle
Fire and Water	Paper Maker
Fireside	Personal Rights Journal
Foresters' Miscellany	Pitman's Musical Monthly
Free Life	Portland Cement Journal
Free Russia	Post
Fruit Trade Journal	Practical Photographer
Good Health	Present Truth
Greater Britain	Preston Herald
Grocers' Review	Printers' Register
Gwalia	Protestant Observer
Hand and Heart	Provincial News

Hereford Times	Queensland Patent Office Gazette
Heretic	Railway Review
Homeland	Ramsey Courier
Home Words	Richmond and Twickenham Times
Homœopathic World	Sala's Journal
Imperial Federation	Script Phonographic Journal
In His Name	Shipping World
Insurance Agent	Stationery World
Insurance and Banking Review	Stonyhurst Magazine
Invention	Sunday Closing Reporter
Inventor's Review	Trade Marks Journal
Irish Times	Two Worlds
Iron and Coal Trades Review	University Correspondent
Iron and Steel Trades Journal	Vaccination Inquirer
Isle-of-Man Examiner	Visitor's Directory
Jewish World	Vegetarian Messenger
Journal of the Clerk of Works' Association	Warrington Observer
Journal of the Royal Statistical Society	Warwickshire Herald
Journal of Speculative Philosophy	Western Daily Press
Keyboard	Worcestershire Herald
Ladies' Review	Zoophilist

DONATIONS.

BRITISH MUSEUM TRUSTEES :—

Catalogue of Birds, vols. 16, 17 and 20 ; Catalogue of Persian MSS., by Charles Rieu, vols. 2 and 3 ; Catalogue of Printed Books, 25 vols. ; Catalogue of the Cuneiform Tablets in the Kouyunjik Collection, by C. Bezold, vol. 2 ; Subject Index of Modern Works, 1885-1890, compiled by G. K. Fortesque.

JOSEPH GIBBONS LIVINGSTON, ESQ., J.P. :—

An authentic account of an Embassy from the King of Great Britain to the Emperor of China, taken chiefly from the papers of His Excellency the Earl of Macartney, by Sir George Staunton, 2 vols. 1797.

Description géographique, historique, chronologique, politique, et physique de l'empire de la Chine et de la Tartarie Chinoise, par J. B. du Halde, 4 vols. 1736.

J. ALLANSON PICTON, ESQ., M.P. (The Author) :—

Sir James A. Picton : a biography, by his son.

MISS PICTON :—

The Life of Sir James A. Picton, F.S.A., by J. Allanson Picton, M.P., Volumes 1, 2 and 3 of the edition for use of the blind, worked by Miss Picton.

ALDERMAN EDWARD SAMUELSON, J.P. :—

Antiquæ linguæ Britannicæ nunc vulgò dictæ Cambro-Britannicæ a suis Cymræcæ vel Cambricæ ab aliis Wallicæ et linguæ Latinæ dictionarium duplex. John Davies, D.D., et Thomas Williams, with MS. additions, 1632.

Y Delyn, y Crŵth, a'r Pibgorn : being an address on the cultivation of music—chiefly instrumental—in the Principality of Wales, by Edward Samuelson. 4 copies.

Other Books and Pamphlets, Reports, &c., have been received from the following donors, for which the Committee again beg to express their grateful acknowledgments :—

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gomery; John Murray; National Academy of Science, Washington, U.S.A.; National Footpath Preservation Society; National Lifeboat Institution; National Society for the Prevention of Cruelty to Children; Agent General for New South Wales, London (Sir Saul Samuel, K.C.M.G., J.P.); New Zealand and Australian Land Company; The Manager, "News" Office, London; Messrs. Newton and Eskill; Representatives of the late J. E. Nightingale, F.S.A.; Norwegian North Atlantic Expedition; Nottingham Free Public Libraries; Henry Owen, B.C.L., F.S.A.; University of Oxford; Messrs. Parker and Company; Comptroller of Patents, London; Peabody Institute, Baltimore, U.S.A.; Messrs. Phillipson and Golder; Plymouth Free Public Library; William F. Poole, LL.D., (Librarian, Newberry Library, Chicago, U.S.A.); John Price, C.E.; The Lessee, Prince of Wales Theatre, Liverpool; Queen's College, London; T. Blakeney, (Registrar of Patents, Queensland); W. H. Quilliam; J. Henry Quinn (Librarian, Public Libraries, Chelsea); Colin Rae-Brown; James H. Rawlins; T. Mellard Reade, C.E.; Henry H. Remfry, M.S.C.L.; Admiral Sir G. H. Richards, K.C.B., &c.; Richmond Free Public Library; Executors of the late Mrs. H. Ridyard; Rotunda Theatre Company, Liverpool; Brandon Roy; Royal Astronomical Society; Royal College of Physicians of England; Royal College of Surgeons of England; Royal Colonial Institute; Royal Cornwall Polytechnic Society; Royal Commission for the Chicago Exhibition, London; Royal Dublin Society; Royal Institute of British Architects; Royal Library, Copenhagen; Royal Society of Canada; Royal Society of London; Royal University of Ireland; St. Mary's Hospital Medical School, London; Salem Public Library, Mass., U.S.A.; Salford Royal Museum and Library; William A. Sandy; George F. Savage-Armstrong, M.A., D.L.T.; James N. Schoolbred; Seismological Society of Japan; Henry Sell; The Proprietor, Shakespeare Theatre, Liverpool; William Sharpe, M.D.; Thomas H. Sherman (United States Consul, Liverpool); E. Shorthouse; Rev. W. Sidgreaves, S.J., &c.; Lawrence Small; Rev. Walter E. Smith, B.A.; Smithsonian Institution, Washington, U.S.A.; Society for the Prevention of Animals from Vivisection; Society of Accountants and Auditors, London; Society of Antiquaries, London; Society of Antiquaries of Scotland; Thorvald Solberg; Southport Society of Natural Sciences; Stonyhurst College; Messrs. Stubbs and Company; The Sunset Club, Chicago, U.S.A.; Sydney University, N.S.W.; I. Tanaka (Librarian, Tokyo Library, Japan); Agent-General for Tasmania, London (Sir E. Braddon); J. Stopford Taylor (Medical Officer of Health, Liverpool); C. J. S. Thompson; W. P. Thompson, C.E.; Trinity University, Toronto, Canada (per E. K. Kendall, D.C.L.); Toronto Public Library, Canada; Toronto University College, Canada; W. E. Turner; United States Government; University College of North Wales; University College of Wales, Aberystwith; University Correspondence College, London; Agent-General for Victoria, London (Sir Graham Berry, K.C.M.G.); Registrar of Patents, Victoria; Victoria Public Library; Royal Society of Victoria; Victoria University, Manchester; Messrs. Virtue and Company; Rev. Charles Voysey, B.A.; Joint Education Committees of Wales and Monmouthshire; Mrs. Ward; Charles H. Waterhouse, B.A., M.D.; Agent-General for Western Australia (Sir Malcolm Fraser); Henry Wilde, F.R.S.; George Wood; York Subscription Library; D. Younger; Zoological Society of London.

LENDING LIBRARIES.

It is not easy to measure the amount of valuable and useful work done through the medium of the Lending Branches. The books taken away for reading at home are enjoyed in many cases not by one person but several, so that probably the issues may be entirely duplicated in order to indicate the amount of reading done. The total volumes issued during the year number 463,256, being an increase of nearly 40,000 over the issues of last year. There have been important increases in all classes of books requiring attentive and thoughtful perusal. All the Libraries contain a large number of volumes for circulation of excellent music, which are drawn upon in a most gratifying way. How many persons and homes are made all the happier and brighter by such simple and comparatively inexpensive means, it is impossible to say. That 7,669 volumes of music should have been issued in one year shews that the taste for this agreeable elevating art is no slight one, and it is felt that much has been done by these Libraries since 1859, when the first volumes were introduced, to foster and extend it.

The large additions of books of a technical character have been made known to many artizans through the special catalogue which was printed and circulated in local workshops. The result is shewn in the important demand which has been created for these books.

Those who are cut off from the happiness of sight are not overlooked in our Libraries, for as early as 1857 books in Moon's type were placed in our North and South Branches for the use of the blind, and now an admirable collection has been formed in each of these Libraries, not only in Moon's type, but Braille, American Point, and Roman: the value of which requires no comment. The Committee would be glad that the existence of these books in the Libraries should be made more generally known.

The North and South Branch Libraries are deficient in Reading Rooms attached to them. The Committee view the want of such rooms as greatly interfering with the usefulness of the Libraries, and they look forward to a very early period when these deficiencies will be remedied, and that rooms will be provided not only for men, but also for women and boys.

TABLE I.—General Statistics.

Volumes issued, &c.	North Branch.	South Branch.	East Branch.	Total.
Volumes issued in Lending Department	134,654	166,116	162,486	463,256
Volumes issued in Reading Room	—	—	35,170	35,170
New Tickets issued	1,553	1,782	1,593	4,928
Tickets renewed	1,630	2,084	2,550	6,264
Tickets cancelled	1,600	1,658	1,517	4,775
* Readers on the Books	3,183	3,866	4,143	11,192
Books lost or injured and paid for	8	22	12	42
Books lost from Lending Department	—	—	—	—
Books stolen from Reading Room	—	—	6	6
Volumes worn out—withdrawn	—	71	—	71
Volumes worn out—replaced	230	375	—	605
Volumes added	956	965	1,072	2,993
Total volumes in Libraries	24,569	24,895	10,683	60,147

* Readers borrowing tickets are required to be renewed annually, otherwise they are cancelled. This prevents an accumulation of mere nominal readers.

TABLE II.—Shewing the classification of volumes issued for home reading.

Classification.	Lending Libraries.				Reading Room, East Branch.
	North Branch.	South Branch.	East Branch.	Total.	
Theology, Morals, and Metaphysics . .	2,375	2,287	1,523	6,185	253
Natural Philosophy, and Mathematics .	1,997	2,308	1,829	6,134	478
Natural History	1,055	1,329	1,661	4,045	370
Science and the Arts	6,736	7,662	8,449	22,847	2,013
History and Biography	4,445	5,386	3,966	13,797	1,121
Topography and Antiquities	527	660	842	2,029	208
Voyages and Travels	2,748	3,397	3,238	9,383	652
Miscellaneous Literature	7,385	8,116	7,550	23,051	3,251
Jurisprudence, Law, and Politics . . .	138	202	143	483	60
Commerce and Political Economy . . .	634	1,171	1,079	2,884	214
Education and Language	877	889	650	2,416	208
Poetry and Dramatic Literature	929	933	1,304	3,166	438
Prose Fiction	104,626	131,519	130,074	366,219	25,815
Latin and Greek Classics	94	112	178	384	89
Books for the Blind	88	145	..	233	..
TOTALS	134,654	166,116	162,486	463,256	35,170

Total Volumes issued in Branch Libraries, 498,426.

TABLE III.—Shewing classification of Borrowers :—*

	North Branch.	South Branch.	East Branch.	Total.
Architects, Builders, and Surveyors	6	13	47	66
Artists, Photographers, and Draughtsmen	22	20	24	66
Bakers, Butchers, and Grocers	62	91	103	256
Boilermakers, Platers, and Riveters	23	14	8	45
Bookbinders, Printers, and Stationers	57	60	79	196
Bookkeepers, Accountants, Clerks, and Agents	613	667	606	1,886
Boot and Shoe Makers	7	10	4	21
Brass, Iron, and Steel Founders	18	12	29	59
Bricklayers, Slaters, and Masons	9	6	10	25
Cabinetmakers, Upholsterers, and French Polishers	15	17	25	57
Carpenters and Joiners	14	56	29	99
Chemists and Druggists	20	19	25	64
Clergymen, Doctors, and Lawyers	11	17	64	92
Coach Painters and Builders	5	6	20	31
Cooks, Waiters, and Waitresses	10	15	49	74
Customs' Officers, Police Constables, Postmen, &c.	67	73	95	235
Dressmakers and Milliners	23	2	62	87
Engineers, Fitters, and Machinists	42	75	45	162
Farmers and Gardeners	3	4	9	16
Firemen	4	10	13	27
Ironmongers	10	5	4	19
Labourers	178	103	24	305
Licensed Victuallers, Brewers, and Barmen	39	10	19	68
Mariners	16	17	9	42
Merchants and Brokers	17	17	29	63
Messengers, Office Boys, and Apprentices	398	234	294	926
Musicians	11	12	46	69
Nurses	9	12	23	44
Painters and Plumbers	69	67	49	185
Pattern Makers, Moulders, and Turners	27	13	16	56
Students and Scholars	96	218	253	567
Shipwrights, Riggers, and Sailmakers	24	24	8	56
Smiths	62	19	13	94
Tailors and Drapers	52	25	61	138
Teachers	96	56	185	337
Telegraphists, Telephonists, and Typewriters	22	26	44	92
Warehousemen, Storekeepers, &c.	83	31	40	159
Watchmakers, Jewellers, and Opticians	18	17	15	50
Miscellaneous	97	170	170	437
No occupation stated (principally females)	853	1,552	1,419	3,826
Totals	3,215	3,815	4,067	11,097

* This table appeared in the report of last year, but inasmuch as very little change has taken place in the number and personality of the readers, it is again inserted as indicating the class of persons who use the lending branches.

EVENING READING ROOMS.

These Reading Rooms, open from 6 to 9-30 p.m., are four in number, and are located in various school-rooms. Their establishment was the outcome of a desire on the part of the Committee to give to the working classes facilities for reading within easy distance from their homes. Books are not supplied; but, instead, the principal London and local papers and a large selection of useful and entertaining magazines

and periodicals are provided. The rooms are fairly successful, but the school furniture and the difficulty of storing chairs and tables for reading purposes prevent anything like a complete success.

The attendances are as follows :—

	1892.		1891.	
	Atten- dance.	Average per night.	Atten- dance.	Average per night.
Chatsworth Street Board School	28,215	92	29,770	97
Queen's Road Board School	19,246	62	18,854	62
Stanley Road Board School	37,050	121	32,970	109
Wellington Road School.....	24,747	80	26,275	87
Totals.....	109,258	355	107,869	355

FREE LECTURES.

Free Lectures have now for a period of 28 years formed part—and in their results a most important part—of the educational work carried on in connection with these institutions. They were originally the happy idea of Mr. Alderman Samuelson, who as long as he remained a member of the Library Committee gave the lecture work his cordial support. The small Lecture Hall of the Brown Library formed a suitable place to give them in, so long as they remained in the nature of school or college scientific lectures, and were given in long series, illustrated for the most part by objects and specimens from the museum. But with the growth of the modern popular lecture illustrated by photographic views through the medium of a lantern, and on subjects which appealed to the less studious and did not require note-book and pencil or close attention, the attendances have grown from some 200 at each lecture to as many as 1,600. The success of these lectures, from the attendance point, is due to the Great Hall under the Picton Reading Room which affords accommodation for such large numbers.

The object of the Committee by the lectures is to stimulate the reading of useful and instructive books by all who choose to attend them, and, especially, to enable artizans and labourers to acquire some knowledge of science, history, and geography, through the attractive means of pleasant talks, illustrated by means of experiments or the lime light. That the Committee's object is fully achieved, the 28,518 persons who have attended the 31 lectures during last Winter bears full witness. The two largest attendances during this series were 1,578 for a lecture on the "Destruction of Pompeii;" and 1,408 at one entitled "A Tour in Morocco." In all cases lectures descriptive of home or foreign travel attract the greatest audiences, and strictly scientific lectures the least. The average attendance for the whole of the series was 920.

WINTER SERIES.

- ARGENT, W. I. "Egypt and her Music ;" with Instrumental Illustrations.
- BEER, ADOLPH W. "A Glimpse at Brittany and the Bretons ;" illustrated by the Oxyhydrogen Light.
- BENSON, W. J. P. "Rambles Abroad ;" illustrated by the Oxyhydrogen Light.
- BIRCHALL, JAMES. "The Pamir Steppe and Russian Advances upon the Frontiers of India ;" illustrated by the Oxyhydrogen Light and Maps.
- BROWNE, REV. JOSEPH, S.J. "The Economy of the Hive Bee ;" illustrated by the Oxyhydrogen Light.
- CLIBBORN, FREDERIC. "Italian Highways and Byways ;" illustrated by the Oxyhydrogen Light.
- COWELL, PETER, F.R.H.S., Chief Librarian, Free Public Libraries, Liverpool. "The Book and the Artist ;" illustrated by the Oxyhydrogen Light.
- DAVIES, EDWARD, F.C.S., F.I.C. "Salt ;" illustrated by Experiments.
- FORTAY, J. BUTLER. "An Evening with Mendelssohn ;" with Vocal and Instrumental Illustrations.
- FORWOOD, ALDERMAN SIR W. B., J.P., Chairman, Library, Museum and Arts Committee. "Ships, Ancient and Modern ;" illustrated by the Oxyhydrogen Light.
- FRASER, J. SCOTT. "A Cruise among the Canary Isles ;" illustrated by the Oxyhydrogen Light.
- GARDNER, WILLOUGHBY, F.R.G.S. "Scenes in Burmah ;" illustrated by the Oxyhydrogen Light.
- GASKING, REV. SAMUEL, B.A., F.L.S., F.G.S., &c. "Sea Urchins ;" illustrated by the Oxyhydrogen Light.
- GIBSON, R. J. HARVEY, M.A., F.L.S., Lecturer on Botany, University College, Liverpool. "The Life Histories of some common Vegetable Moulds ;" illustrated by the Oxyhydrogen Light and Models.
- GRENSTED, REV. F. F., M.A., Second Master, Merchant Taylor's School, Crosby. "The origin of the Alphabet ;" illustrated by the Oxyhydrogen Light.

- HARGREAVES, JOHN. "The Hundred of Wirral. Historical and Picturesque, Grave and Gay;" illustrated by the Oxyhydrogen Light.
- HERDMAN, W. A., D.SC., F.L.S., &C., Professor of Natural History, University College, Liverpool. "The Loch Fyne Herring and its Food;" illustrated by the Oxyhydrogen Light.
- HEWITT, WILLIAM, B.SC. "Ice and Snow;" illustrated by the Oxyhydrogen Light.
- JEFFS, OSMUND W. "The Commercial Aspects of Geology;" illustrated by the Oxyhydrogen Light.
- JOHNSON, R. C., F.R.A.S. "The Stars and the Sun;" illustrated by the Oxyhydrogen Light.
- LEA, JOHN, C.C. "A Tour in Europe;" illustrated by the Oxyhydrogen Light.
- LESLIE, FRANK J., F.R.G.S. "An Historic Corner of Lancashire;" illustrated by the Oxyhydrogen Light.
- MACCUNN, JOHN, M.A., Professor of Philosophy, University College, Liverpool. "The Practical Wisdom of Robert Burns."
- MEAKIN, J. E. BUDGETT. "A Tour in Morocco;" illustrated by the Oxyhydrogen Light.
- MEAKIN, J. E. BUDGETT. "Faces in Barbary;" illustrated by the Oxyhydrogen Light.
- QUILLIAM, W. H. "A few weeks in Constantinople;" illustrated by the Oxyhydrogen Light.
- SHAW, H. S. HELE, M. Inst. C.E., Professor of Engineering, University College, Liverpool. "The Bicycle;" illustrated by the Oxyhydrogen Light.
- STUBBS, CAPTAIN EDWARD, R.N. "Our Deep Sea Fisheries;" illustrated by the Oxyhydrogen Light.
- THOMPSON, GEORGE E. "Waterways of Holland;" illustrated by the Oxyhydrogen Light.
- WILLIAMS, COMMANDER A. P., R.N. "The Destruction of Pompeii;" illustrated by the Oxyhydrogen Light.
- WOODWARD, ARTHUR SMITH, F.G.S., F.L.S. "Fishes of the Deep Sea;" illustrated by the Oxyhydrogen Light.

MUSEUM.

VISITORS TO MUSEUM.

			1892. (265 Days)	1891. (261 Days)
Total Visitors in the Year	...	..	327,448	320,387
Weekly Average	...	...	6,297	6,161
Daily Average	...	...	1,235	1,227

MONDAY EVENING OPENING OF THE MUSEUM.

The Museum was open on 25 evenings, and the total attendances were 7,189, giving an average attendance of 287 per evening.

The following Lectures were given on specimens in the Museum, and were much appreciated :—

1892.

Jan. 4th.—“Cockles and Mussels, and their History,” by Mr. W. H. Read.

Jan. 11th.—“The Manners and Customs of the Early Egyptians,” by Mr. A. H. Frazer.

Jan. 18th.—“The Phases of Butterfly Life,” by Mr. C. H. Hesketh Walker.

Jan. 25th.—“Time Indicators, Ancient and Modern,” by Mr. T. Tarleton.

Feb. 1st.—“Footprints of Extinct Animals found near Liverpool,” by Mr. H. C. Beasley.

Feb. 8th.—“The Cat Tribe,” by Mr. G. J. Hill.

Feb. 15th.—“Alkali Metals and Earth Metals,” by Mr. A. Lutschaunig.

Feb. 22nd.—“The Common Lobster,” by Mr. J. A. Clubb.

Feb. 29th.—“Sponges, and how they grow,” by Mr. John Chard.

Mar. 7th.—“Elephants,” by Mr. G. F. Moore.

Mar. 14th.—“Thunderbolts,” by Mr. William Hewitt, B.Sc.

Mar. 21st.—“The Ingenuity of Primitive Races,” by Mr. P. Entwistle.

Mar. 28th.—“The History of Geology in the 19th Century,” by Mr. F. P. Marrat.

Oct. 3rd.—“Curious Chapters from the Book of Nature,” by Mr. F. P. Marrat,

- Oct. 10th.—“Whales,” by Mr. G. F. Moore.
- Oct. 17th.—“The Philosophy of Birds’ Nests,” by Mr. J. W. Cutmore.
- Oct. 24th.—“Half-an-hour with Curious Insects,” by Mr. John Chard.
- Oct. 31st.—“Ten Minutes Dabbling in a Stagnant Pool,” illustrated by rapid sketches with brush and crayon, by Mr. C. H. Hesketh Walker.
- Nov. 7th.—“Phœnicians and Etruscans ; or, the Early Civilisers of the Mediterranean,” by the Rev. F. F. Grensted, M.A.
- Nov. 14th.—“The Ice Age in England,” by Mr. J. Butler Davies.
- Nov. 21st.—“Bristol, Chelsea and Derby China,” by Mr. John T. Beer, F.S.A.S.
- Nov. 28th.—“The Educational Model of a Clock,” which can be taken in pieces and put together again without the aid of an instrument, by Mr. G. Eccles.
- Dec. 5th.—“A Talk about Fishes,” by Mr. P. F. J. Corbin.
- Dec. 12th.—“Corals and their Work,” by Mr. W. H. Read.
- Dec. 19th.—“How Music is made,” by Mr. W. I. Argent.

CIRCULATING SCHOOL CABINETS.

Additional Cabinets of Economic Products have been added to the collection during the year, and have been much appreciated.

The Cabinets have been regularly issued to the Elementary Schools.

TECHNICAL APPARATUS.

The Technical Apparatus, provided by means of the Government Grant in aid of Technical Education, has been in much demand since the Catalogues of the Apparatus were issued to the Masters and Mistresses of all the Elementary Schools within the City boundaries.

The lanterns and slides are much sought after, and teachers have written to say how useful they have been, particularly for giving object lessons to the juniors.

One teacher writes as follows :—

“In giving object lessons so much required by young children,
“I think it invaluable. First of all you can give the lesson

"to a great number of children. Here we had 504 present for the "History of Bread' and I venture to say that they will not forget the history. During the week I have been round the various classes and questioned them on what they had seen, and really the impression it had made upon them astonished me."

DONATIONS.

A Model of a Dry Gas Meter ; presented by Messrs. W. & B. Cowan, per Mr. Edward Allen.

The Head of a Fossil Fish, from the London Clay, Isle of Sheppey ; presented by Surgeon-Colonel S. Archer.

Two specimens (male and female) of West African Lepidoptera, *Nymphalis tridates* ; presented by Mr. G. Morel-Deville.

A collection of Minerals, Rocks, Fossils, &c., presented by Mrs. Drakeford. "This collection consists of a large number of Geological Rocks, Minerals, and Fossils. Amongst the Rock specimens are some very fine examples of Granite, Syenite, Porphyry, Gneiss, Mica Schist, and representative minerals illustrating almost every geological formation from the Lower Silurian to the Upper Tertiaries. The Fossils are principally Chalk and Lias : the Fish bones, scales, teeth, and spines are both rare and fine ; the Lias Ammonites are interesting, and many of them are new to the collection. A small tray of Minerals has been selected, containing Ores of Silver, Copper, Bismuth, Titanium, Zinc, as well as some very interesting forms of Iron, one of which is quite new to me."—F.P.M.

A Shark, new to the Collection, from the Bay of Biscay ; presented by Messrs. Harley and Miller.

A fine specimen of Albatross, *Diomedea exulans*, from the Pacific ; presented by Captain W. H. Kidley, s.s. Ionic.

A Model of a Gas Meter ; presented by Mr. William King, Memb. Inst. C.E.

Two Canaries, *Fringilla canaria* ; presented by Mr. A. G. McCulloch.

A specimen of the Bohemian Waxwing Chatterer, *Ampelis garrulus*, shot at Simonswood ; presented by the Executors of the late Matthew McKerrow, per Mr. J. M. Ferguson.

A Young Peacock, *Pavo cristatus* ; presented by Mr. Councillor J. B. Morgan.

A Lizard, in glass case, from Queensland ; presented by Mrs. McLeod Powell.

Three Ants' Nests, from the neighbourhood of Buenos Ayres ; and a Half-circular Trap-door Spider's Nest, from the Yosemite Valley, California ; presented by Mr. Frederick Taylor.

PURCHASES.

Skull and Horns of a Male Indian Buffalo, *Bos buffelus*.

A stuffed Lion Monkey, *Midas rosalia*.

Specimens of the Greater Weever, *Trachinus draco*, and a black Sea Bream, *Cantharus lineatus*, from Jersey ; mounted by the Davidson process.

Nine Corals, viz. :—*Merulina ampliata*, *Hypnophora polygonata*, *Madrepora hystrix*, *Psammochora obtusangulata*, *Alveopora spongiosa*, *Tridacophyllia lactuea*, *Euphyllia rugosa*, *Tubipora rubiola*, *Trachyphyllia amarantum*.

A coloured reproduction of a recent shell, *Pleurotomaria Adamsoniana*, Crosse and Fischer, from Tobago, West Indies.

A coloured reproduction of a Fossil Shell *Pleurotomaria proteus*, var-*Excelsa*, Deslongsch. Inferior Oolite (Bajocien) Bayeux, France.

Four specimens (male and female) of West African Lepidoptera, *Nymphalis pollux* and *Diadema*.

Eight specimens of Brazilian Moths and Butterflies.

Life History of *Sphinx euphorbiæ*.

Nest of an Indian Tree Ant, *Ocophylla smaragdina*, with specimens of male and two females of Tree Ant.

Two pairs of Chank Shell Bracelets, used on the arm and ankle by natives of India, and two small bracelets also worn by the natives.

Four Slabs of Remains of *Megalosaurus Bucklandi*, Meyer, from the Inferior Oolite, Sherborne, Dorset. Described by Prof. Owen in Quart. Jour., Geol. Soc., April, 1883.

Two specimens of Fossil Fish, *Bothriolepis Canadensis*, Upper Devonian, Canada (Dorsal and Ventral Aspects), from the originals in the British Museum.

EXCHANGES.

Received from the British Museum, in exchange for Vole and Skull, from Kashmir, three Squirrels, *Sciurus caniceps*, *Sciurus atrodorsalis*, *Sciurus palmarum*; two Rats, *Nesorkia bengalensis*, *Mus losea*, and one Shrew, *Crocidura murina*.

Specimens of Siren and Skink, in spirit, received from Prof. G. W. Howes in exchange for a specimen of *Xenopus Tadpole* from West Africa.

MAYER MUSEUM.

A selected group of Nautical Instruments and Liverpool Pottery, illustrative of local shipping, was prepared for the Naval Exhibition, held in the Walker Art Gallery.

By permission of the Committee a set of electrotypes of Merovingian Coins, found in St. Martin's Churchyard, Canterbury, and now in this Museum, were prepared for the Rev. Canon Routledge.

Dr. Samuel Smiles having undertaken to write a new life of Josiah Wedgwood, applied for the loan of the volumes of "Wedgwood's Letters," now in this collection, which request was granted.

Mr. Evan Roberts, of Manchester, has lent for exhibition an interesting series of 580 watches, illustrative of the various forms and methods of decoration from an early period to a recent date.

The reserve cases in the great hall have again been of great service for the periodical exhibition of selected groups of objects, which, owing to want of room, are not on constant exhibition; and during the year the collection of Chinese Industrial Objects presented by Consul Parker, a selection of objects from Morocco, &c., have occupied them.

DONATIONS.

Flint Arrow-heads and fragments of Urns from an old Indian burial mound, Lake Weir, Marion Co., Florida; collected and presented by Mr. J. Duncan Stoward.

Stone and Flint Implements from Trout, Cat, and God's Lakes, and Bear Rapids, Winnipeg River, Canada; also fragment of Urns from Indian burial mounds; collected and presented by Mr. G. Mitchell.

Iron Chest, found in a recess in the walls—8 feet thick—at 61, Bartholomew Close, London, about 1820; presented by William Mr. B. Rippon.

Piece of Sculpture in limestone, the upper part of a female figure, with inscription; found in a cavern discovered when digging the foundations for a building in Palmyra, Syria; presented by Mr. James L. Bowes.

Very rare Japanese Pre-historic Clay Figure; presented by Mr. James L. Bowes.

Two frames containing casts of Antique Gems in the British Museum; presented by the Trustees of the British Museum.

Two Cloaks, one made of the undressed stalks of the flax, *Phormium tenax*, a girdle belt, necklace and necklet, from New Zealand; presented by Mr. Charles Every.

Collection of Chinese Industrial objects, purchased in the bazaars of Hoilow, the Port of Kiungchow, Hainan Island, and presented by Mr. Edward Harper-Parker, Her Majesty's Consul at Kiungchow.

Very large Vase of Mason's Ironstone China; presented by Mr. Benson Rathbone.

Drawing of minute flint implements, from Europe; presented by Mr. Charles Seidler.

PURCHASES.

Large Ivory War Horn, and two Grass Mats, from West Africa. (Col. G. W. Williams' Collection.)

Selected specimens of Roman Glass, recently discovered at Nazareth.

Collection of Ethnographical Objects from Morocco, collected by Mr. J. E. B. Meakin, viz.:—Dinner Table, Snake-Charmer's Tambourine, Musical Instruments, Lamp, Inkstand, Candles, Pipe, Antimony Holder, Water Bottle, and Distaff and Spindle.

Collection of Minute Agate, Chalcedony and other Implements, found in various caves and rock shelters in the Vindhya Hills, Central Provinces of India.

Marble Bust of William Roscoe.

Thirteen Objects carved in Catlonite, by Indians of Dakota.

Berlin Porcelain Vase.

WALKER ART GALLERY.

The work of the Art Department during the past official year has been characterized by great activity, and the resources of the Gallery have been taxed to the fullest extent. In addition to the ordinary work of the Permanent Collection, and the usual Autumn Exhibition, fully two-thirds of the year were taken up by the holding of an Exhibition of Naval and Nautical Appliances, which was attended with great success. The Exhibition was suggested by the Right Honourable A. B. Forwood, M.P., then Financial Secretary to the Admiralty, by whose influence and exertion the Committee were able to get together one of the most complete and interesting Exhibitions illustrative of Naval and Nautical Appliances ever seen in Liverpool. The Exhibition was opened on February 1st by the First Lord of the Admiralty, The Right Honourable George Hamilton, the inauguration being attended by His Worship the Mayor of Liverpool, J. De Bels Adam, Esquire, and a large and distinguished company. The Exhibition was open five months, and during that period it was visited by nearly 150,000 persons.

The negotiations which have for some time been in progress with the Trustees of the Royal Institution, for the transfer of the Roscoe Collection of Pictures to the Walker Art Gallery, have been satisfactorily concluded, the Corporation having agreed under certain conditions to take charge of the works and to find suitable accommodation for them. It has been arranged to exhibit the Collection in the Spring Exhibition of Local Art to be opened early in March.

The acquisition of these interesting works will, it is expected, prove of great value to students, as for the first time they will have free access to them every day and be enabled to study the rise and progress of art from the earliest times.

During the year the Gallery was open to the public on 342 days, and closed for cleaning and others purposes on 23 days.

The total number of visitors was 617,647, being a daily average of 1805. This total includes 144,459 visitors who paid for admission to the Naval Exhibition, and 69,703 to the Autumn Exhibition of Pictures: also 11,858 pupils of schools, of various denominations, admitted to the Exhibition free. The Gallery is open each Sunday from 2-30 to 5-30 p.m. The average daily attendance last year being 833.

The following Works were lent by the Committee for Special Exhibition :—

To the Guildhall, London (Loan Exhibition)—

“An Idyll,” by Maurice Greiffenhagen.

“Ariel,” by Robert Fowler, R.I.

To the International Exhibition at Munich—

“Pelagia and Philammon,” by Arthur Hacker. (This work being awarded a Gold Medal—A similar distinction to that previously obtained at the Paris Universal Exhibition of 1889.)

To the City of Birmingham Art Gallery (Loan Exhibition)—

“Maiwand,” by R. Caton Woodville.

“A Parting,” by Mrs. M. Stokes.

To the Southport Centenary Art Treasures Exhibition—

“The Ancestor on the Tapestry,” by J. Haynes-Williams.

“Evening of the Battle of Waterloo,” by Ernest Crofts, A.R.A.

“A Stowaway,” by Alfred Dixon.

In February, one of the lower rooms was occupied by a Special Exhibition of the large Painting, entitled “The Queen of Sheba’s Visit to Solomon,” by E. J. Poynter, R.A.

On Wednesday, the 21st September, a *Conversazione* was given by His Worship the Mayor, James De Bels Adam, Esq., to the members of the Iron and Steel Institute, visiting Liverpool in connection with their Annual Meeting.

ADDITIONS TO THE PERMANENT COLLECTION BY PURCHASE.

From the Autumn Exhibition of 1892 :—

“Venus and Anchisis” (oil), by W. B. Richmond, A.R.A.

“The Alps by Night” (oil), by Wm. Stott, of Oldham.

“Summer” (oil), by E. A. Hornel.

“Lingering Light” (water-colour), by A. E. Brockbank, R.B.A.

“Head of Medusa” (bronze), by John Wilson.

“Study of a Head” (bronze), by W. Goscombe John.

From other sources :—

“The Death of Nelson” (oil), by Daniel Maclise, R.A. (Purchased out of the proceeds of the Liverpool Naval Exhibition.)

A series of Casts of Italian Architecture and Sculpture, as an addition to the Cast Museum.

DONATIONS.

Engravings, "Tribute to Lord Nelson," and a portrait of Lord Nelson, also Illustrated Book, containing an account of the loss of the "Royal George"; presented by Mrs. Wise.

Two Oil Paintings, "A Summer Storm," and a "Rainy Landscape," by John Constable, R.A.; presented by Malcolm Guthrie. Esq., J.P.

Engraving, "The Death of Nelson," after Daniel Maclise, R.A.; presented by the Art Union of London.

Four Drawings in crayon and sepia—"Athens," "Horses Towing Barges on the Danube," "Destruction of Dathan, Korah, and Abiram," "Hercules and Alcestes," by George Jones, R.A., presented by Mrs. Gertrude Jones.

"Canterbury Meadows" (oil), by George Shalders, presented by James Smith, Esq.

Part IV.:—"Italian Prints, 16th Century," presented by the Trustees of the British Museum.

AUTUMN EXHIBITION OF PICTURES.

	1892.				1891.			
		£	s.	d.		£	s.	d.
Number of Pictures and other Works of Art Exhibited	1,393				1,281			
Number of Pictures sold	149				159			
Amount realized by sales		5,132	8	6		7,603	2	0
Season Tickets sold	3,776	652	9	6	3,413	593	14	0
Admissions at One Shilling	31,193	1,559	13	0	35,303	1,765	3	0
„ Sixpence	16,878	421	19	0	15,951	398	15	6
„ Threepence	17,856	223	4	0	35,927	449	1	9
Catalogues sold	20,138	535	12	9	23,810	589	1	6
Commission on sales		172	7	9		281	4	3
Miscellaneous Receipts		43	16	2		61	15	6
Total Receipts, exclusive of sales ..		3,609	2	2		4,138	15	6

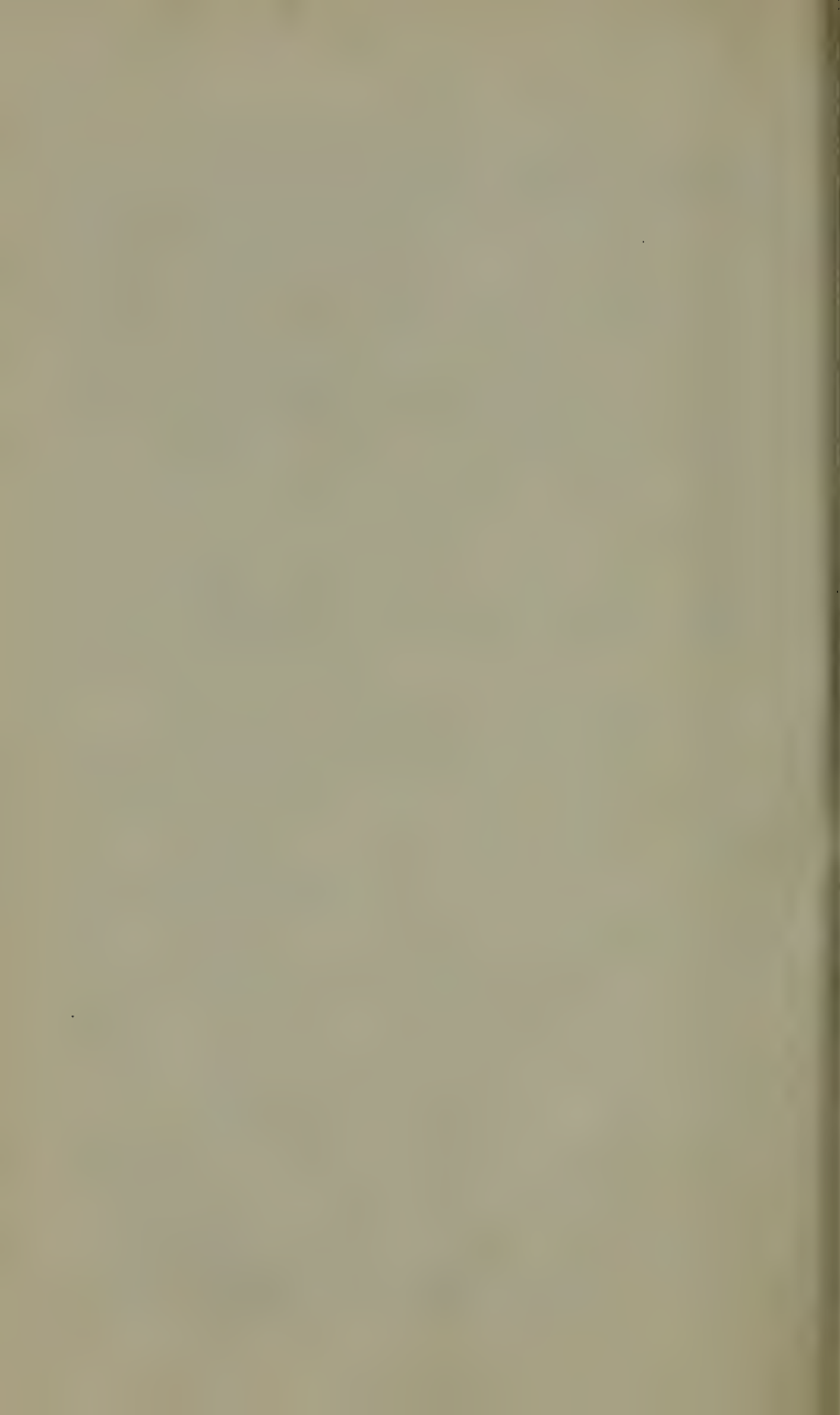
TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 22 YEARS, FROM 1871 TO 1892.

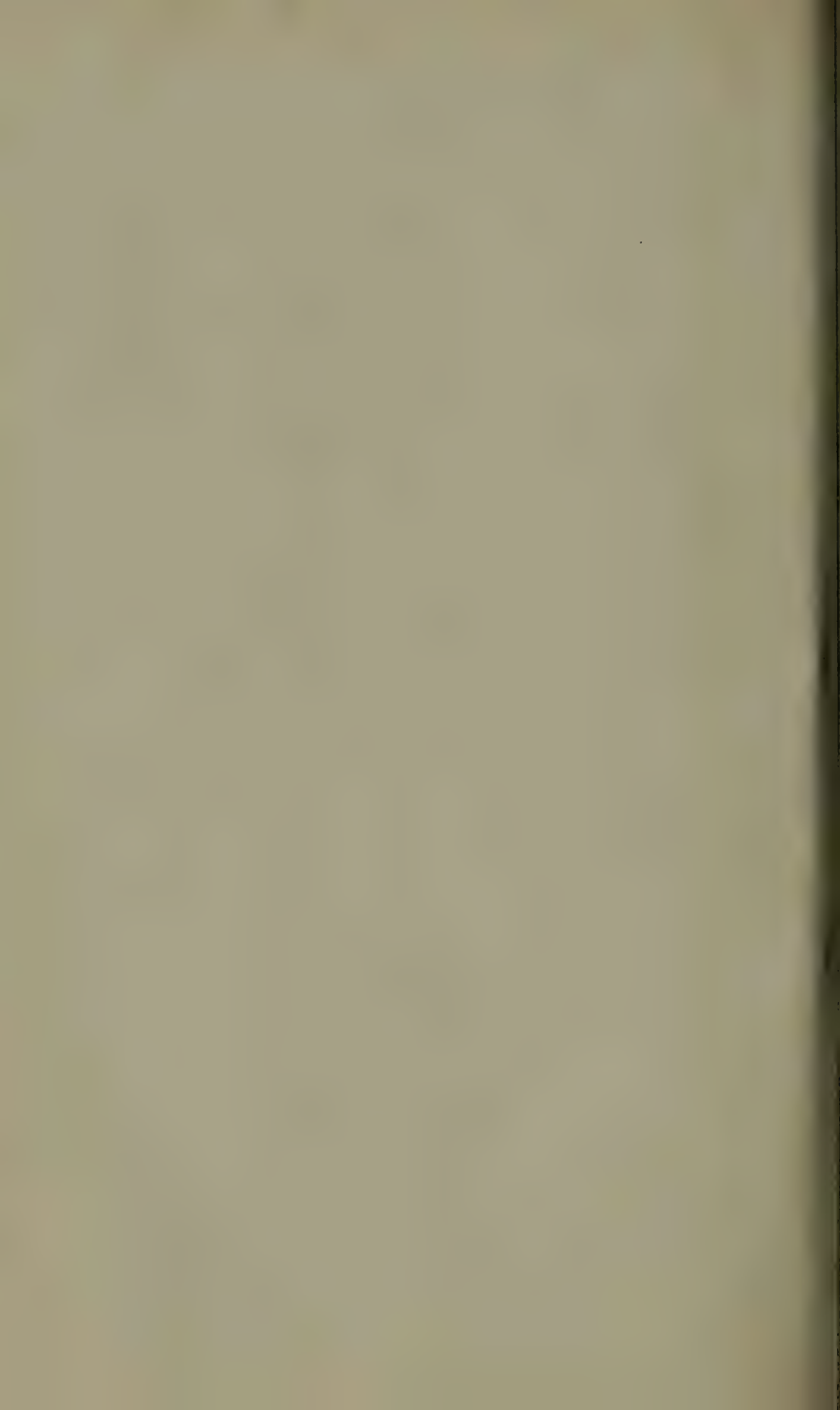
29

Year.	ADMISSIONS.			Season Tickets.	Catalogues Sold.	Commission on Pictures Sold.	Miscellaneous Receipts.		Total Receipts.	PICTURES SOLD.	
	One Shilling.	Sixpence.	Threepence.				£	s.		£	No.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£	s.	d.	£	No.
1871	720 16 0	...	207 14 6	62 2 0	165 10 0	320 18 6	46 4 4	4	4	1,523 5 4	235
1872	601 5 0	175 9 6	48 2 6	59 6 6	168 0 6	312 6 0	3 18 3	8	3	1,368 8 3	242
1873	665 18 0	...	229 10 3	96 8 6	199 17 6	371 17 0	2 10 0	1	3	1,566 1 3	271
1874	854 16 0	...	241 13 3	151 16 6	247 0 6	479 0 3	2 7 0	6	3	1,976 13 6	337
1875	972 13 0	77 17 6	237 14 0	210 7 0	279 14 3	617 3 0	11 9 2	2	6	2,406 17 11	345
1876	1,118 0 0	86 9 6	232 7 6	221 1 0	301 12 0	440 15 3	9 10 7	2	10	2,409 15 10	255
1877	1,928 12 0	...	419 3 3	443 14 0	454 10 1	537 11 2	18 4 2	8	3	3,801 14 8	391
1878	1,964 17 0	330 9 6	423 5 0	528 14 6	562 8 6	237 13 0	142 0 4	7	10	4,189 7 10	235
1879	1,516 12 0	212 1 6	378 11 9	566 7 6	504 9 3	364 16 0	7 17 0	15	0	3,550 15 0	267
1880	1,449 11 0	274 4 6	439 19 6	499 16 0	509 7 3	544 3 3	10 17 7	19	1	3,727 19 1	271
1881	1,434 15 0	289 3 6	376 4 6	475 14 0	468 19 9	523 7 6	15 9 6	8	3	3,583 14 9	315
1882	1,430 3 0	299 3 6	332 16 0	476 1 0	472 14 6	362 8 9	23 1 11	5	8	3,396 8 8	311
1883	1,302 1 0	273 8 0	304 17 3	381 3 6	434 15 9	403 13 0	32 6 10	4	4	3,132 5 4	226
1884	1,966 12 0	535 0 6	519 14 3	649 7 6	599 13 3	432 6 3	87 7 5	2	2	4,790 2 1	291
1885	1,317 9 0	366 9 0	344 10 0	501 7 6	481 7 9	353 17 0	44 1 10	3	7	3,409 2 1	196
1886	1,147 1 0	397 14 0	333 15 9	302 10 6	434 9 0	336 13 9	36 19 7	3	224	2,989 3 7	224
1887	888 15 0	389 18 6	260 0 0	216 4 0	371 2 3	185 3 9	18 11 0	6	181	2,329 14 6	181
1888	1,473 5 0	623 9 0	186 11 3	384 1 0	524 17 6	268 16 9	40 5 2	3	168	3,501 3 9	168
1889	1,475 4 0	588 7 6	92 15 6	432 11 6	524 9 6	283 10 6	75 2 7	7	184	3,472 1 1	184
1890	1,372 11 0	375 3 6	241 4 6	511 12 6	484 18 0	221 16 9	79 1 4	7	188	3,286 7 7	188
1891	1,765 3 0	398 15 6	449 1 9	593 14 0	589 1 6	281 4 3	61 15 6	6	159	4,138 15 6	159
1892	1,559 13 0	421 19 0	223 4 4	652 9 6	535 12 9	172 7 9	43 16 2	2	149	3,609 2 2	149
Total	28,925 12 0	6,115 4 6	6,522 16 3	8,416 10 0	9,314 11 4	8,051 9 5	812 15 4	18 10	5,351	68,158 18 10	5,351
										185,298 13 0	



15 JUL. 1898







Liverpool Free Public Library, Museum, and Gallery of Art.

FORTY-FIRST
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC LIBRARY,
MUSEUM,
AND
WALKER ART GALLERY,
OF THE
CITY OF LIVERPOOL,
FOR THE YEAR ENDING 31ST DECEMBER, 1893.



LIVERPOOL:
J. R. WILLIAMS & CO., PRINTERS, 8, SCHOOL LANE.

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COMMITTEE AND OFFICERS

FOR THE YEARS 1893-4.

THE RIGHT HONOURABLE WILLIAM B. BOWRING, J.P.,
LORD MAYOR.

Committee.

ALDERMAN SIR WILLIAM B. FORWOOD, J.P., CHAIRMAN.

ALDERMAN PHILIP H. RATHBONE, J.P., DEPUTY CHAIRMAN.

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WILLIAM E. WILLINK, ESQ., M.A., J.P.

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Deputy-Librarian :

THOMAS FORMBY.

Director of Museums :

HENRY O. FORBES.

Curator of the Derby Museum :

RICHARD PADEN.

Curator of the Walker Art Gallery :

CHARLES DYALL.

Assistant Curator :

ALFRED H. FRAZER.

GENERAL REPORT.

The work of our Libraries has been carried on during the past year with uninterrupted success, and the statistics compiled by our Librarian demonstrate that while our readers have increased in numbers, there has been an improvement in the quality of their reading. This is especially noticeable in the increased issue of books on Science, Art and Encyclopedias, and can be traced in part to the encouragement given to our artisans to peruse works on technical subjects. All this is very hopeful. So much of the future welfare of this country depends upon the interest taken by our artisans in the improvement of their handicraft, and upon their obtaining a knowledge of those great economic principles which regulate the demand and supply of labour and also its value.

Some idea of the work done by the affiliated institutions—Library, Museums, and Art Galleries—may be gathered from the fact that 2,820,766 persons made use of these institutions during the year.

The Committee feel very strongly that there is urgent necessity for strengthening the Reference Library. For some years past the lack of funds has prevented the Committee making purchases to the extent that is necessary if the Library is to maintain its high reputation ; this lost ground cannot be recovered, and this policy must not be continued ; it is only by the regular and systematic addition of all works of repute that the character of a Library can be maintained. The responsibility is a serious one, and we cannot escape from the reflection which a future generation may cast upon us, that our Library was irreparably damaged by the ignorance or apathy of a decade which professed itself to be enlightened, progressive, and, above all things, anxious to be called literary.

The great work of these institutions, which represents the estimate placed by this great city upon the value of Art, Literature, and Natural Science in the education and culture of her people, has to be defrayed out of the proceeds of a rate of **One Penny** in the pound, just one-half of what towns of far less importance consider it their duty to expend upon these objects.

It is most difficult to bring home to the minds of men that the education and culture of the people is as essential to their happiness and the welfare of the community as drainage and a good water supply is to their health : the one brooks with no trifling, for typhoid and epidemics quickly assert their peremptory demand for improved sanitation ; the other is not less urgent in its claims for consideration, if its direct appeal is less dramatic. Strikes, lock-outs, socialism, and social unrest and discontent, are in a large measure but the expression of that want of confidence and intelligence (the result of education) which can alone enable people to grasp the industrial problems which arise every day.

It is, therefore, not placing the claims of these institutions on too high a level to say that, next to the consideration for the health of the people, they make the first demand upon the liberality of the ratepayers.

Plans have been prepared for a new Library for Everton ; the site selected is convenient to a large population ; and there is no doubt that it will not only be highly appreciated, but will do excellent work.

In the Museums we have sustained a great loss by the death of the Rev. H. H. Higgins on the 2nd July, 1893. He was associated with our Museums for the long period of 37 years, 16 of which he was Chairman of the Museums Sub-Committee. It may with truth be said that he lived for these institutions ; and in the careful and intelligent classification of the specimens, the popular descriptions attached to them bringing them within the grasp of the ordinary visitor, we see the man of science, yet deeply imbued with the necessity of bringing home to the minds of the people the life-history of each specimen. The life of Mr. Higgins, his large catholic views, his intense love of natural history, his anxiety to instil this love into others, the pride he took in the Museums, if ever written, will form the memorial of a Liverpool man than whom few have been more distinguished and few more useful.

Our Museums have been enriched during the past year by a very fine collection of Agates, bequeathed by the late Earl of Derby ; and the interest attaching to the collection has been much enhanced by the descriptive catalogue prepared at the expense of the present Earl.

Two large rooms in the basement of the building, on the west side, are being fitted up for the reception of the ethnographical collection, which is very complete and will prove a very interesting addition.

In the Art Galleries we held a very successful Spring Exhibition of the works of local artists ; and the Autumn Exhibition was very attractive and greatly appreciated.

We received in the Spring the Roscoe Collection of old masters ; and, during the Summer, a very handsome selection of the works of Sir John Gilbert was presented by the veteran artist.

WILLIAM B. FORWOOD,
CHAIRMAN.

REFERENCE LIBRARY.

This Library stands out with some prominence in its liberal provision for the wants of two great classes of readers. Its two large and commodious reading rooms, standing almost side by side, afford by the one the means for gratifying what may be called the elementary taste for reading, through the medium of story books and illustrated magazines and papers ; and by the other, the means for satisfying the requirements of literary men and students. Perhaps no other library presents more effectively to public view the important work a free public library is doing among the people at large. To find from four to five hundred men of the labouring class gathered together throughout the day gratifying their taste for reading is one of the satisfactory signs of the times. The order and quiet required by a public reading room is not without a certain discipline ; while something stimulating to the mind cannot fail to be received by the perusal, if of nothing of a more solid character than representative works of Fiction. The Picton Reading Room has its own distinct character, and, if less imposing from its more limited number of readers, it is none the less impressive on account of the more serious aim and purpose of those who use it as a study. Liverpool has the honour of being one of the first English cities to tax herself in order to provide books for the use of her citizens, for on the 18th of October, 1852, the doors of this library were first opened, and its books made available to all readers. Since then the growth and development of the library has been rapid and without interruption. The two sister institutions on her right hand and on her left—the Museum and Art Gallery—have been the means of giving this library a distinct character, and perhaps it is not too much to say that no Library out of London is so rich in important books on natural history and the fine arts. Few, if any, of the great natural history

monographs and galleries of engravings will be found wanting; while no provincial library has so extensive and valuable a local collection of maps, drawings, engravings, books, and pamphlets illustrating, in our case, Liverpool and its immediate neighbourhood. This collection has a county reputation, and as it was begun in the first year of the library's existence, this library has the honour of being the pioneer in a work which is now considered of paramount importance by all librarians.

The success which attended the distribution among workshops of the hand-list of technical books has so favourably impressed the Committee that they have given sanction to the publication of a printed list of the important collection of architectural works in the library, for the possession of which so much is due to the taste and judgment of the late Sir James Picton.

Probably, the Library's collection of music will next be taken in hand, and similarly other subjects, in order to bring prominently before the citizens of Liverpool the advantages they enjoy in the institution, the contents of which they are not so well acquainted with as no doubt they themselves desire.

A comparison of the following statistical tables with those in last year's report shows a marked increase in the total work of the library, notwithstanding the Picton Reading Room was closed for 24 days for the purpose of painting and cleaning.

The almost trebled issue of specifications of patents is the strongest and best evidence of the need there was for giving better facilities for consulting them, and for the construction of the new and commodious rooms in which they are now stored.

The year's work in this library and its several branches gives the following totals, viz. :—Books issued, 1,197,991; magazines and reviews, 656,222; newspaper readers, 428,220; attendances at lectures, 59,904. This shows an increase in books of 97,875 volumes; in magazines, of 111,879; in newspaper readers, of 98,426; and in attendance at the lectures, of 11,293.

SUMMARY OF STATISTICS OF LIBRARY DEPARTMENT.

	Volumes issued.	Weekly, &c. Magazines issued.	Newspaper Visitors.	Lecture Attendances
BROWN LIBRARY:				
Volumes issued	194,400	..	..	..
Monthly and Weekly Magazines .....	..	318,727	..	..
Illustrated Papers, issued in volumes, ("The Graphic," "Illustrated London News," "Punch," &c.)	101,750	..	..	..
Directories	112,336	..	..	..
Specifications of Patents for Inventions	38,794	..	..	..
Visitors to the Newspapers .....	..	..	358,592	..
PICTON READING ROOM:				
Volumes issued	201,322	..	..	..
Magazines and Reviews .....	..	119,607	..	..
NORTH, SOUTH, AND EAST LENDING LIBRARIES:				
Volumes lent	506,614	..	..	..
EAST LIBRARY READING ROOM:				
Volumes issued	42,775	..	..	..
Magazines and Reviews .....	..	101,650	..	..
Visitors to the Newspapers .....	..	..	69,628	..
EVENING READING ROOMS:				
Newspapers, Magazines, and Reviews ..	..	116,238	..	..
LECTURES:				
Attendance .....	..	..	..	59,904
Totals	1,197,991	656,222	428,220	59,904

Comparative Statement of issues in the Picton Reading Room:—

Classification.	1893.	1892.	Increase.	Decrease.
Theology, Morals, &c. ...	19,528	19,706		178
Natural Philosophy, &c. ...	16,801	16,753	48	
Natural History, &c. ...	6,311	7,997		1,686
Science and the Arts, &c. ...	33,388	30,392	2,996	
History and Biography, &c. ...	19,626	18,797	829	
Topography and Antiquities ...	6,534	7,637		1,103
Voyages and Travels ...	8,821	9,349		528
Miscellaneous Literature ...	34,955	36,657		1,702
Jurisprudence, Law, and Politics	5,114	5,318		204
Commerce, Political Economy, &c.	5,244	5,179	65	
Education and Language ...	8,315	7,947	368	
Poetry and Dramatic Literature	10,236	10,485		249
Latin and Greek Classics ...	2,881	4,469		1,588
Encyclopædias, &c. ...	23,568	21,019	2,549	
Totals ...	201,322	201,705	6,855	7,238

TABLE.—Showing the number and classification of works contained in the Library:—

Classification.	Volumes.
Theology, Morals, &c. ...	7,516
Natural Philosophy, &c. ...	2,703
Natural History ...	5,702
Science and the Arts ...	12,656
History and Biography ...	13,006
Topography and Antiquities ...	5,666
Voyages and Travels ...	5,406
Miscellaneous Literature (principally collected Works, Essays, Reviews, Societies' Proceedings, &c., in volumes) ...	25,009
Jurisprudence, Law, and Politics ...	8,225
Commerce, Political Economy, &c. ...	1,813
Education and Language ...	1,754
Poetry and Dramatic Literature ...	4,169
Prose Fiction ...	5,451
Latin and Greek Classics and Translations ...	988
Encyclopædias and Works of General Reference ...	3,523
Total ...	103,587

DONATIONS.

T. HENRY BAYLIS, ESQ., Q.C., M.A., Assessor, Liverpool Court of Passage (the Author):—

The Temple Church of St. Ann.

W. T. BEST, ESQ.:—

Bach's Organ Works ; edited by W. T. Best, vols. 4-12.

BRITISH MUSEUM TRUSTEES:—

Catalogue of Birds, vol. 21 ; Catalogue of British Echinoderms, by F. J. Bell ; Catalogue of Greek Coins : Ionia, Mysia, Alexandria, and the Nomes ; Catalogue of Greek Sculpture, by A. H. Smith, vol. 1 ; Catalogue of Indian Coins : Moghul Emperors, by S. L. Poole ; Catalogue of Madreporarian Corals, by G. Brook, vol. 1 ; Catalogue of Oriental Coins, by S. L. Poole, vol. 10 ; Catalogue of Printed Books, 21 vols. ; Catalogue of Seals, by W. de G. Birch, vol. 2 ; Guide to Sowerby's Models of British Fungi, by W. G. Smith ; Catalogue of Snakes, by G. A. Boulenger, vol. 1 ; Illustrations of Lepidoptera Heterocera, vol. 9.

THE RT. HONOURABLE MARY, COUNTESS OF DERBY:—

A Catalogue of the Library at Knowsley Hall, Lancashire, 4 vols.

E. GORDON DUFF, ESQ.:—

Manuscript Memorandum Book of John Sadler, the Liverpool Potter.

THE RT. HONOURABLE THE EARL OF CRAWFORD AND BALCARRES, K.T., LL.D.:—

Bibliotheca Lindesiana : First provisional hand-list of proclamations, Henry VIII-Victoria, 12 parts ; Bibliotheca Lindesiana : First revision hand-list of proclamations, vol. 1 : Henry VIII-Anne.

JOSEPH G. LIVINGSTON, ESQ., J.P.:—

A general collection of the best and most interesting Voyages and Travels in all parts of the World, by John Pinkerton, 4 vols.

WILLIAM MINET, ESQ., M.A., F.S.A. (the Author):—

Some account of the Huguenot family of Minet, from their coming out of France at the revocation of the Edict of Nantes, 1686.

EDWARD REID, ESQ.:—

Views of the Old Halls of Lancashire and Cheshire, by N. G. Philips. (Large paper copy.)

THOMAS G. RYLANDS, ESQ., F.S.A., M.R.I.A. (the Author):—

The Geography of Ptolemy elucidated.

Other Books and Pamphlets, Reports, &c., have been received from the following donors, for which the Committee again beg to express their grateful acknowledgments:—

Academy of Natural Sciences, Philadelphia, U.S.A. ; Argentine Consul, Liverpool (Guillermo K. Brydges); Colonial Secretary for Barbados (C. C. Knollys, M.A., C.M.G.); Messrs. Bell and Sons; Charles H. Beloe; Birkenhead Literary and Scientific Society); Medical Officer of Health for Birkenhead (R. S. Marsden, D.Sc., M.B.); Board of Trade, London; George C. Boase; British and Foreign Bible Society; British Association for the Advancement of Science; T. B. Browne; Thomas N. Brushfield, M.D.; National Library, Buenos Ayres; Major-General Sir Owen Tudor Burne, K.C.S.I.; Cambridge University; Geological and Natural History Survey of Canada; Canadian Government; High Commissioner for Canada, London (Sir Charles Tupper, Bart., G.C.M.G.); Andrew Carnegie (per Hew Morrison, Librarian, Edinburgh Public Library); Alfred Castellain, J.P.; Cheshire Lines Committee; Medical Officer of Health for Chester (Francis Vacher, M.D.); Chicago Board of Trade, U.S.A.; Church Missionary Society for Africa and the East; Cincinnati Chamber of Commerce, U.S.A.; Cincinnati Museum Association, U.S.A.; John H. Clarke, M.D.; Cobden Club; College of Preceptors, London; Messrs. Collingwood Bros.; Richard Congreve; Messrs. Cook and Son; Cooper Union for the Advancement of Science and Art, New York, U.S.A.; Co-operative Union, Limited; Messrs. Cope Brothers & Co; Cornell University, Ithaca, U.S.A.; A. Cotgreave, (Librarian, Public Libraries, West Ham); Edward Counsel; P. Cowell (Chief Librarian, Liverpool Free Libraries); Messrs. Crane, Crane and Co.; Rose Mary Crawshay; P. Cudmore; Cunard Steamship Co.; Robert N. Cust, LL.D; Alexander A. Cuthbert; J. T. Danson; Sir H. Daulton; Andrew Deakin; Denver Chamber of Commerce, U.S.A.; S. B. Doggett; Frederick Dresser; Dublin University; Durham University; Edinburgh University; Messrs. Effingham, Wilson & Co.; Emigrants' Information Office, London; Francis Fisk; Emily Foster; General Register and Record Office of Shipping and Seamen, London; General Society of Mechanics and Tradesmen, New York, U.S.A.; Messrs. F. and E. Gibbons; Glasgow and West of Scotland Technical College; Glasgow Athenæum; Great Eastern Railway Company; Great Northern Railway Company; Great Western Railway Company; W. N. Greenwood, F.R.M.S.; Messrs. Guy and Co.; J. W. C. Haldane, C.E.; G. G. M. Hardingham; Messrs. Harris and Hadden; Messrs. Harrison and Co.; Harvard University College, Camb., Mass., U.S.A.; Harvard University Library, Camb., Mass., U.S.A.; John W. Hayward, M.D.; Alfred Hinde; Howard Association, London; James T. Hoskins, M.A., F.R.S.L.; Powis Hault; Elijah Howarth, F.R.A.S. (Curator, Public Museum, Sheffield); Hull, Barnsley, and West Riding Junction Railway and Dock Co.; Institution of Civil Engineers; Institution of Mechanical Engineers; International Arbitration and Peace Association; International Maritime Congress, London; Irish Unionist Alliance; Thomas G. Jack; Osmund

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Insurance Agent
Invention
Inventor's Review
Irish Times
Iron and Coal Trades Review
Iron and Steel Trades Journal
Isle-of-Man Examiner
Jewish World
Journal of the Clerk of Works' Association
Journal of the Royal Statistical Society
Keyboard
Light
Light Liner
Literary News
Liverpool Catholic Times
Liverpool Courier (daily and weekly)
Liverpool Echo
Liverpool Express
Liverpool Journal of Commerce
Liverpool Mercury (daily and weekly)
Liverpool Porcupine
Liverpool Post (daily and weekly)
Liverpool Review
Liverpool Sentinel
Liverpool Y.M.C.A. Journal
Llandudno Advertiser
Local Government Journal

Machinery
 Machinery Market
 Manufacturer and Builder
 Medium
 Merchant Taylor's Review
 Midland News
 Miller
 Milling
 Mission Field
 Modern Review
 Mona's Herald
 Money and Trade
 Musical Herald
 Natural Food
 Nature Notes
 New Church Magazine
 News
 Oddfellows' Magazine
 Official Journal of the Patent Office
 Oxford Chronicle
 Paper Maker
 Pegram's Journal
 Personal Rights Journal
 Pitman's Musical Monthly
 Positivist Review

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 Printers' Register
 Queensland Patent Office Gazette
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 University Correspondent
 Vaccination Inquirer
 Vegetarian Messenger
 Western Daily Press
 Worcestershire Herald
 Zoophilist

LENDING LIBRARIES.

The Branch Libraries are the centres from which books may be borrowed for home reading; consequently they are much appreciated. The borrowers, as may be inferred from the table showing the various businesses they are engaged in, are persons to whom the Libraries are a boon, alike from the education which they more or less possess, and their limited means. The books issued from these Libraries probably more clearly indicate public taste in reading than the Reference Library, where the books read are for literary and examination work, and not so much to satisfy a free and unrestrained taste. The readers of Free Lending Libraries are largely composed of young persons, consequently no surprise will be produced by the statement that the heading prose fiction includes in these Libraries that vast body of instructive and healthy literature represented by such authors as Ballantyne, Henty, Mayne Reid, and other writers for the young, of whose works liberal provision is made to meet the demand.

It is reasonable to assume that a book issued for home reading will be more or less perused by other members of the family or household

than the one to whom it is lent, hence a duplication of the issues would probably more nearly indicate the actual number of volumes read than the figures here given.

The total issue of books for home reading has been 506,614 volumes, being an increase of 43,358 volumes over the issues of last year, and though fiction takes, according to custom, the lion's share, it is satisfactory to find that the recent expenditure on books bearing on the various handicrafts has been justified in an increased demand for them.

The largest increase, next to novels, has been in this class of works, which is designated in the table as "science and the arts." All classes of books have received an increased share of public favour during the year, except magazine literature and books for the blind. Fluctuations in the year's issues have always taken place in these latter books, owing to the limited number of new books published for this interesting though small body of readers. The largest increase in proportion to the number of volumes contained in any particular class, has been in Latin and Greek Classics and their translations, which has been 75 per cent. It is noteworthy that this year, as last, in the issues for home reading, the Libraries have not suffered the absolute loss of a single book.

TABLE I.—General Statistics.

Volumes issued, &c.	North Branch.	South Branch.	East Branch.	Total.
Volumes issued in Lending Department	150,166	181,513	174,935	506,614
Volumes issued in East Branch Reading Room.	—	—	42,775	42,775
New Tickets issued	1,711	1,709	1,822	5,242
Tickets renewed	1,653	2,281	2,454	6,388
Tickets cancelled	1,530	1,585	1,689	4,804
* Readers on the Books	3,364	3,990	4,276	11,630
Books lost or injured and paid for	12	26	19	57
Books lost from Lending Department	—	—	—	—
Books stolen from East Branch Reading Room.	—	—	1	1
Volumes worn out—withdrawn	45	127	—	172
Volumes worn out—replaced	469	421	117	1,007
Volumes added	793	808	951	2,552
Total volumes in Libraries	25,460	25,576	11,634	62,670

* Reader's tickets are required to be renewed annually, otherwise they are cancelled. This prevents an accumulation of mere nominal readers.

TABLE II.—Shewing the classification of volumes issued for home reading, &c.

Classification.	Lending Libraries.				Reading Room, East Branch.	Total Issues.
	North Branch.	South Branch.	East Branch.	Total issued for Home Reading.		
Theology, Morals, and Metaphysics	2,578	2,501	1,639	6,718	421	7,139
Natural Philosophy, and Mathematics	1,967	2,210	2,327	6,504	760	7,264
Natural History	1,264	1,413	1,791	4,468	466	4,934
Science and the Arts	7,600	7,595	8,997	24,192	2,775	*26,967
History and Biography	4,598	5,554	4,481	14,633	1,504	16,137
Topography and Antiquities ..	725	898	917	2,540	245	2,785
Voyages and Travels	3,002	3,343	3,263	9,608	890	10,498
Miscellaneous Literature ...	7,300	8,553	6,991	22,844	4,977	27,821
Jurisprudence, Law, and Politics	233	151	133	517	106	623
Commerce and Political Economy	864	1,210	1,245	3,319	369	3,688
Education and Language ...	1,1	960	736	2,837	273	3,110
Poetry and Dramatic Literature	1,049	887	1,404	3,340	482	3,822
Prose Fiction	117,579	145,908	140,748	404,235	29,395	433,630
Latin and Greek Classics ..	192	216	263	671	112	783
Books for the Blind	74	114	—	188	—	188
TOTALS.....	150,166	181,513	174,935	506,614	42,775	549,389

* Of this total 8,065 were vols. of Music.

TABLE III.—Shewing classification of Borrowers :—

Classification.	North Branch.	South Branch.	East Branch.	Total.
Architects, Builders, and Surveyors	5	10	45	60
Artists, Photographers, and Draughtsmen	10	21	21	52
Bakers, Butchers, and Grocers	77	74	108	259
Boilermakers, Platers, and Riveters	16	10	10	36
Bookbinders, Printers, and Stationers	52	52	85	189
Bookkeepers, Accountants, Clerks, and Agents	513	634	670	1,817
Boot and Shoe Makers	8	11	6	25
Brass, Iron, and Steel Founders	23	13	18	54
Bricklayers, Slaterers, and Masons	11	6	10	27
Cabinetmakers, Upholsterers, and French Polishers	11	19	20	50
Carpenters and Joiners	51	54	29	134
Chemists and Druggists	14	27	15	56
Clergymen, Doctors, and Lawyers	10	21	41	72
Coach Painters and Builders	6	6	9	21
Cooks, Waiters, and Waitresses	10	13	40	63
Customs' Officers, Police Constables, Postmen, &c... ..	44	70	102	216
Dressmakers and Milliners	14	9	65	88
Engineers, Fitters, and Machinists	71	74	61	206
Farmers and Gardeners	2	3	6	11
Firemen	4	7	15	26
Ironmongers	2	5	4	11
Labourers	98	130	32	260
Licensed Victuallers, Brewers, and Barmen	18	13	20	51
Mariners	10	19	21	50
Merchants and Brokers	7	21	35	63
Messengers, Office Boys, and Apprentices	212	379	258	849
Musicians	3	10	54	67
Nurses	2	10	8	20
Painters and Plumbers	34	55	69	158
Pattern Makers, Moulders, and Turners	14	12	14	40
Students and Scholars	86	191	255	532
Shipwrights, Riggers, and Sailmakers	11	19	6	36
Smiths	23	23	21	67
Tailors and Drapers	26	27	93	146
Teachers	78	54	178	310
Telegraphists, Telephonists, and Typewriters	19	26	45	90
Warehousemen, Storekeepers, &c.	46	38	52	136
Watchmakers, Jewellers, and Opticians	9	16	18	43
Miscellaneous	105	191	209	505
No occupation stated (principally females)	1,609	1,617	1,508	4,734
Totals	3,364	3,990	4,276	11,630

EVENING READING ROOMS.

These Reading Rooms, open from 6 to 9-30 p.m., are four in number and are situated in localities best calculated to give effect to the Committee's desire of providing facilities for the reading of entertaining literature within easy distance of the homes of the working classes. School-rooms have been rented, but, unfortunately, the school furniture and other obstacles prevent the rooms being as comfortable and as complete a success for reading purposes as could be desired.

It was intended to provide in each room a small library of books in movable cases, which could have been changed periodically from one reading room to another for the purpose of giving variety to the reading. This has not been carried out, simply because there has been little or no demand for books : the newspapers, particularly the local evening papers, and after them the illustrated weekly papers, apparently absorbing all the reading interest of the frequenters of these rooms.

The total attendance at these rooms during the year has been 116,238, showing an increase over the attendance of last year of 16,980.

	1893.		1892.	
	Atten- dance.	Average per night.	Atten- dance.	Average per night.
Chatsworth Street Board Schools	27,801	91	28,215	92
Queen's Road Board Schools	21,439	71	19,246	62
Stanley Road Board Schools	42,109	138	37,050	121
Wellington Road School	24,889	82	24,747	80
Totals	116,238	382	109,258	355

FREE LECTURES.

Free Lectures serve as a stimulus to reading, and it was with this idea that they were established by the Committee as a part of the ordinary work of the Library twenty-nine years ago, and have since been continued without intermission.

The modern popular lecture, with its lime-light illustrations, is very much brighter and more interesting in character than its dry-as-dust predecessor of a quarter of a century ago, and, perhaps it may be added, much more instructive, by virtue of its double appeal to eye and ear.

A comparison of the attendances at our lectures then and now shows at least the growth of the lecture in public estimation. Formerly, we considered 300 persons a good attendance at a single lecture; now, unless this number is quadrupled there is felt to be reason for remark or inquiry. Much of this change is due no doubt to the same causes which have rendered the daily newspaper and the magazine or review so popular—the hurry and haste in which we live and the impatience over hard study and deep delving into the field of knowledge to find out the reason of things for ourselves; while, at the same time, the desire to know, influences a much greater number of people than formerly.

The popular winter series numbered 36 lectures, which were attended by 47,747 persons, or an average at each lecture of 1,326. In addition

to these, there was an interesting Autumn series of a more scientific character, bearing the general title of "Pioneers of Science and Art." These numbered twelve, and were attended by 12,157 persons, or an average of 1,013 per lecture. The two series taken together give a total attendance of 59,904 persons, or an average at the 48 lectures of nearly 1,250.

WINTER SERIES.

- ARGENT, W. I. "English Madrigals ;" with vocal illustrations.
- BEER, ADOLPH W. "By River and Hill : some bye-ways among the Ardennes and in Rhenish Prussia ;" with Lantern illustrations.
- BENSON, W. J. P. "A Holiday in the Black Forest and Bavarian Highlands ;" with Lantern illustrations.
- BIRCHALL, JAMES. "Old German Cities and their Historical Associations ;" with Lantern illustrations.
- BROWNE, REV. J., S.J. "Some Notes on the Structure of the Bee ;" with Lantern illustrations.
- CLEGG, CHARLES E. "Shakespeare as a Teacher."
- CLIBBORN, FREDERIC. "Up and down North Holland ;" with Lantern illustrations.
- COGAN, J. D. "An Old Tinder Box : or, the story of a match ;" with Experiments.
- DAVIES, EDWARD, F.C.S., F.I.C. "Carbon, and some of its Compounds ;" illustrated by Experiments.
- DEARLE, S. G. HARRISON. "The Stately Homes of England ;" with Lantern illustrations.
- DENT, ROBERT K. "Devonshire : historic, legendary, and picturesque ;" with Lantern illustrations.
- DYALL, CHARLES, Curator, Walker Art Gallery. "The Poetical and Artistic Aspects of our Work-a-day Life ;" with Lantern illustrations.
- FISHER, R. H. "What a Fisher caught with his Camera ;" with Lantern illustrations, and interspersed with vocal and instrumental music.
- FORTAY, J. BUTLER. "Franz Schubert, the prince of song writers ;" with vocal and instrumental illustrations.

- FORWOOD, ALDERMAN SIR W. B., J.P., Chairman, Library, Museum, and Arts Committee. "To Mexico and back through the Rockies ;" with Lantern illustrations.
- GASKING, REV. SAMUEL, B.A., &c. "History of a piece of Chalk ;" with Lantern illustrations.
- GIBSON, R. J. HARVEY, M.A., F.L.S., Lecturer on Botany, University College, Liverpool. "The Vegetation of the Tropics ;" with Lantern illustrations.
- GREEN, ROBERT F. "The Castles of Touraine ;" with Lantern illustrations.
- GROSSMANN, KARL, M.D., F.R.C.S.E. "Across Iceland ;" with Lantern illustrations.
- HARGREAVES, JOHN. "The Hundred of Wirral, in Cheshire : with some comparative references to the Hundred of West Derby ;" with Lantern illustrations.
- HERDMAN, W. A., D.S.C., &c., Professor of Natural History, University College, Liverpool. "Shell Fish (Oysters, Cockles, and Mussels) : their structure, food, and life-history ;" with Lantern illustrations.
- HEWITT, WILLIAM, B.S.C., Director of Technical Instruction, Liverpool. "Great Deserts of the World ;" with Lantern illustrations.
- JEFFS, OSMUND W. "The Natural History of Building Stones ;" with Lantern illustrations.
- JONES, HERBERT. "Travel and Sport in Central Asia ;" with Lantern illustrations.
- LESLIE, FRANK J., F.R.G.S. "Whalley Abbey and its last Abbot ;" with Lantern illustrations.
- MACCUNN, JOHN, M.A., Professor of Philosophy, University College, Liverpool. "Sir Walter Scott."
- NARRAMORE, WILLIAM, F.L.S. "The Lowest Forms of Green Plants ;" with Lantern illustrations.
- OGLE, JOHN J. "Timber Trees ;" with Lantern illustrations.
- PICTON, W. H., C.C., Chairman, Lectures Sub-Committee. "Cloud-capp'd towers, gorgeous palaces, and solemn temples ;" with Lantern illustrations.
- ROSS, JOHN. "The Violin : its history and music ;" with Lantern illustrations and musical examples.

- ROWLANDSON, WILLIAM, C.E. "English Life in the Olden Times;" with Lantern illustrations.
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- PLUMMER, W. E., M.A., F.R.A.S., Director of the Liverpool Observatory. "Copernicus, Galileo, and Newton;" with Lantern illustrations.
- WALLIS, WHITWORTH, F.S.A., F.R.G.S., Director of the Birmingham Museum and Art Gallery. "The Art of Pompeii;" with Lantern illustrations.

WILLINK, W. E., M.A., C.C., Chairman, Technical Instruction Sub-Committee. "William of Wykeham, and the English Cathedral Builders;" with Lantern illustrations.

WOODWARD, ARTHUR SMITH, F.C.S., &c., of the British Museum (Natural History.) "Cuvier and Owen, the founders of Comparative Anatomy;" with Lantern illustrations.

MUSEUM.

VISITORS TO MUSEUM.

	1893.	1892.
	(261 Days)	(265 Days)
Total Visitors in the Year	299,319	327,448
Weekly Average	5,756	6,297
Daily Average	1,146	1,235

MONDAY EVENING OPENING OF THE MUSEUM.

The Museum was open on 25 evenings, and the total attendances were 7,655, giving an average attendance of 306 per evening.

The following Lectures were given on specimens in the Museum :—

1893.

- Jan. 2nd.—"More about Music Making," with musical illustrations, by Mr. W. I. Argent.
- Jan. 9th.—"History of a Piece of Slate," by Mr. J. Lomas.
- Jan. 16th.—"The Ancient Monuments of Egypt," by Mr. A. H. Frazer.
- Jan. 23rd.—"Ants and their Habits," by Mr. T. H. Wardleworth.
- Jan. 30th.—"Structures and Devices of Animals for Protection," by Mr. J. A. Clubb.
- Feb. 6th.—"Old Time Measures," by Mr. T. Tarleton.
- Feb. 13th.—"Trilobites," by Mr. H. C. Beasley.
- Feb. 20th.—"Lobster and Cockroach," by Mr. W. Narramore, F.L.S.
- Feb. 27th.—"Ships, Ancient and Modern," by Mr. Henry F. Watt.
- Mar. 6th.—"Recent Discoveries in Egypt," by Mr. P. Entwistle.
- Mar. 20th.—"Shells and their Uses," by Miss E. M. Wood.
- Mar. 27th.—"Plants and their Uses," by Mr. F. P. Marrat.
- Oct. 2nd.—"The Collection of Agates, bequeathed to the Museum by the late Earl of Derby, by Mr. F. P. Marrat.
- Oct. 9th.—"Corals," by Mr. W. H. Read.
- Oct. 16th.—"Cave-dwellers in Britain," by Mr. H. C. Beasley.

1893.

Oct. 23rd.—“Fossils,” by Mr. Daniel Clague, F.G.S.

Oct. 30th.—“Stories told by the Microscope,” with illustrations, by Mr. C. H. Hesketh Walker.

Nov. 6th.—“The Colours of Animals,” by Mr. P. F. J. Corbin.

Nov. 13th.—“The Place of Egypt in the History of the Progress of Mankind,” by the Rev. F. F. Grensted, M.A.

Nov. 20th.—“The Human Eye and Ear,” by Mr. J. A. Clubb.

Nov. 27th.—“Our Skeletons,” by Dr. F. C. Larkin, F.R.C.S.

Dec. 4th.—“Mimicry in the Insect World,” by Mr. T. H. Wardleworth.

Dec. 11th.—“Sponges: their Structure and Life History,” by Mrs. T. S. Wokes.

Dec. 18th.—“Insects and their Uses,” by Mr. John Chard.

DONATIONS.

A piece of Wood bored by *Sirex gigas*, and two double-pointed Crystals from the Punjaub; presented by Mr. R. M. Adam.

A collection of Scotch Pebbles, polished; presented by Miss Anderson.

A Caiman (11ft. 6in.), from the River Amazon; presented by Mr. Alfred Booth.

Six young living Turtles, from Kurrachee; presented by Mr. Cooper, s.s. Worsley Hall.

A fine specimen of “Wire Silver,” or “Natural Silver,” from Denver, Colorado; presented by Mr. John J. Covington.

A collection of Minerals, bequeathed by the late Earl of Derby. The collection represents principally one great division of mineralogy—that of silica—in its varied forms of quartz, rock crystal, agate, chalcedony, jasper, &c., with a series of earthy and metalliferous minerals, such as labradorites, precious opals, malachites, rhodonites, &c., used for economic and decorative purposes. The writings of Professor Ruskin were perhaps the cause of the commencement of Lord Derby's collection, which, for beauty, rarity, and size, may fairly claim to be at the present day unsurpassed. There is one section of an abnormal agate, it is a long oval specimen, measuring $15\frac{1}{2}$ inches by $7\frac{1}{2}$ inches wide, of beautiful amorphous silica and agate, but only the eighth of an inch in thickness, polished on both sides. Beautiful transparent polished specimens of quartz, enclosing acicular crystals of rutile, the oxide of titanium. One specimen is quite unique,

large bunches of resplendent golden, needle-like crystals crossing indiscriminately under the pellucid quartz. It is pre-eminently a collection of beautiful specimens, and, when properly arranged, will present a spectacle that cannot fail to arrest the attention of even the most unobservant; whilst the student, particularly those of artistic taste, will learn once again, through a new channel, of the marvellous and glorious beauty revealed through nature. In addition to the above collection, the present Earl of Derby has contributed a small series of very beautiful minerals, which are also exhibited with the above collection.

A Calcareous deposit, taken from the interior of a wooden water-pipe in a colliery shaft in Derbyshire in 1892; presented by Mr. M. Guest.

Head and Horns of a Four-horned Sheep; presented by Mr. Walter Gladstone.

Twenty-three specimens of Mammals and Birds from Borneo; presented by Mr. Charles Hose.

Two White-headed Whistling Ducks, *Dendrocygna viduata*; presented by Mr. B. Heywood Jones.

A large and finely-coloured example of Crystallised Bismuth, also a small collection of Minerals; presented by Mr. Samuel Wright Lee.

A fine Skeleton of an American Bison; presented by Christopher Leyland, Esq., per Maxwell H. Maxwell, Junr., Esq.

A piece of Rosewood Marble from Ashford, Derbyshire, and a Shell, *Cardita Africana*, from West Africa; presented by Mr. F. P. Marrat.

A large Carp, 9lbs. weight, from the Lake in Prince's Park; presented by Mr. J. H. Mason.

Eleven specimens of Sandstone from the neighbourhood of Liverpool; presented by Mr. G. H. Morton.

The dried Skeleton of a Rat, found at Welsh Whittle, near Chorley; presented by the Rev. W. G. Sale.

A Dolphin, *Delphinus delphis*, stranded at West Kirby; presented by the Rev. G. H. Staite.

MAYER MUSEUM.

The reserve cases in the Great Hall have again been of much service for displaying the various sections of the Ethnographical Collection, and during the early part of the year the Esquimaux and New Guinea

objects were displayed in them, also the collection of objects from New Guinea, collected by Mr. W. B. Livesey while on a visit to New Guinea.

After a period of ten years, the Ethnographical Collection is to be placed on exhibition in rooms specially prepared for its reception. During the time it has been stowed away, numerous interesting groups of objects have been added by donation and purchase, and the Collection, when set out, will, it is believed, rank next in importance to that of the National Collection.

DONATIONS.

Match, and an Oil Nut, from New Zealand ; presented by Mr. J. D. Cogan.

Two Arrows, from Tierra-del-Fuego ; presented by the Rev. T. W. Huthwaite.

Tracing of the Record of the Franklin Expedition, found in a cairn on Point Victory ; Prayer Book, found in the Franklin boat on the shore of King William's Island ; Piece of Lint and an English Farthing of 1839, from the medicine chest discovered at Point Victory ; Seaweed, collected by Captain Crozier ; Thong from an officer's boot, and a fragment of Sulphur, from a seaman's pocket ; Knife, made up by the Esquimaux from a cutlass blade belonging to the Franklin Expedition ; Model of an Esquimaux in his Kayak, made by the Greenland Esquimaux ; Bow and two Arrows, with iron heads, made from the wood of the Franklin ship ; Esquimaux Comb ; Stone Box, containing brown sugar deposited by Sir Edward Parry at Fury Beach in 1824, and used by the McClintock Expedition in 1859 ; presented by Dr. David Walker, Naturalist on the s.s. Fox.

Japanese Burial Garments ; presented by Miss E. Y. Dawbarn.

Shell Armlet, from Loyalty Island ; presented by Mr. G. H. Kennedy.

Axe, Tooth-brush, Hairpin, Whip, Comb, and Dagger, from West Africa ; presented by Mr. Thomas L. Miller.

PURCHASES.

Wedgwood-Ware Plate.

Oval Enamel, with portrait of Queen Elizabeth ; 18th Century work.

Knife, with carved handle and skin case ; 18th Century work.

Fayence Dish, from Seville, Spain.

Two Fayence Plates, from Seville, Spain.

Centre-piece of shells and rock work, in Plymouth porcelain.

Photographs of Egyptian Mummies, from the original in the Boulak Museum, Cairo.

Group of three Figures, in brass, probably a tobacco stopper.

Scent Bottle, of iron, richly damascened in silver, with the inscription "VIVE LE ROY." French.

Jug, cream-coloured pottery, on one side is a line engraving, subject—a sportsman and dog, and on the other a landscape in bat-printing. Liverpool manufacture.

Photographs of Egyptian Antiquities.

Thirty selected Photographs for the Ethnographical Collection.

Two Australian Throw-sticks, and an Aracuanian Wooden Stirrup.

Three Shields, Pipe, cane Armlet, Necklaces of cut shells, and Chunam Knives, from New Guinea.

Selection of silver personal and horse Ornaments from the Chilian Indians.

Cup and Saucer, of Worcester porcelain.

EXCHANGE.

Two Xylophones, from the Bonny River, and an Ophicleide, received from Mr. Argent in exchange for an Asiatic Xylophone.

LOAN.

Figure of Krishna, deposited by Mrs. E. Carter.

WALKER ART GALLERY.

As usual, considerable activity has marked the working of the Art Department during the year, the Committee having utilized to the fullest extent the fine suite of rooms available for exhibition purposes.

During March and April a Spring Exhibition was open. This comprised the Roscoe Collection, the works of the Liverpool Painters in Oil and Water-Colours, and a Department of Decorative and Applied Art the latter having been arranged by Mr. Edmund Rathbone.

Early in the year, what is known as the Roscoe Collection was handed over under certain conditions to the Corporation by the Trustees of the Royal Institution, and these works are for the most part now displayed in the Walker Art Gallery.

Amongst the gifts to the City, the most important was that of Sir John Gilbert, R.A., P.R.W.S., who in April generously presented sixteen of his productions in Oil and Water-colours on condition that, as far as possible, they should be hung in one group. These works having been arranged, they form an important and acceptable addition to the City Collection, and are greatly admired by the public.

The Autumn Exhibition, always the great Art event of the year in Liverpool, proved highly popular and successful. The sales, in spite of the general complaints of bad trade, were not regarded as unsatisfactory, while the excellence of the collection artistically was the subject of high commendation.

Following the example of last year, another Spring Exhibition has been arranged, and is now in operation with the prospect, it is believed, of very considerable popularity and success.

During the year the Gallery was open to the public on 326 days and closed on 39 days for cleaning and other purposes. The total number of Visitors was 478,429 (being a daily average of 1,467), which includes 66,427 who paid for admission to the Autumn Exhibition, also 11,090 pupils of schools of various denominations admitted to the Exhibition by invitation of the Committee. The Sunday attendance was 36,015, or a daily average of 878.

The following Pictures were lent for Special Exhibition—

To the Hogarth Club (Loan Exhibition)—

“Jeanne d’Arc,” by Harold Rathbone.

To the Grafton Gallery—

“A Summer Night,” by the late Albert Moore, R.W.S.

To the Chicago Exhibition (World’s Fair)—

“In the Reign of Terror,” by Miss Jessie Macgregor.

To the Alpine Club (Annual Exhibition)—

“The Alps by Night,” by William Stott, of Oldham.

In July, the Fountain Room was occupied by a Special Exhibition of the painting by W. Holman Hunt, R.W.S., entitled “May Morning at Magdalen Tower, Oxford,” after which the work was included in the Autumn Exhibition.

During the same month the Gallery was placed at the disposal of the Society of Chemical Industry for the purpose of a *Conversazione* given to the Members visiting Liverpool, in connection with the Annual Meeting of the Society.

ADDITIONS TO THE PERMANENT COLLECTION BY PURCHASE.

From the Autumn Exhibition of 1893 :—

- “ The Punishment of Luxury ” (oil), by G. Segantini.
- “ Meadow Sweets ” (oil), by David Murray, A.R.A.
- “ The Old Hero ” (oil), by J. B. Burgess, R.A.
- “ A Man Overboard ” (oil), by T. Somerscales.
- “ The Mere ” (oil), by John Finnie.
- “ Spells ” (water-colour), by H. M. Rheam.
- “ An Eastern Tale ” (water-colour), by T. M. Rooke, R.W.S.
- “ Love the Conqueror ” (bronze statuette), by Fred. W. Pomeroy.

From other sources :—

- “ The Prisoner of Chillon ” (oil), by William Daniels.
- Portrait of George Stubbs, R.A., by Ozias Humphrey, R.A.
- Portrait of William Roscoe, by R. Caddick.

DONATIONS.

Portrait of Alderman P. H. Rathbone, J.P., by W. B. Boadle, presented by the subscribers.

The following Pictures were presented by the Artist,

SIR JOHN GILBERT, R.A., P.R.W.S.

Oil Paintings : “ The Slain Dragon,” “ Don Quixote at the Inn,” “ The Standard Bearer,” “ Don Quixote and Sancho at the Castle of the Duke,” “ Landscape, with Gipsy Encampment,” “ The Horse Pond at Tarring,” “ On the Road to the Horse Fair.”

Water-Colour Drawings, “ Convocation of Clergy,” “ The First Appearance of the Gipsies in France,” Landscape, “ Banditti Gambling.” “ Asking the Way,” “ The Head of the Procession,” “ The Letter-writer : a pause for consideration,” “ Joan of Arc at the Coronation of Charles VII.,” “ The Sonnet,” “ A Retreat.”

“ Launching the Life Boat ” (oil), by Henry Moore, R.A., presented by Henry Tate, Esq., J.P.

“ In Time of War ” (oil), by Thomas Faed, R.A., and “ Baalbec : Ruins of the Temple of the Sun ” (oil), presented in memory of the late Ralph Brocklebank, Esq., J.P., by his three sons.

Portrait of J. G. Livingston, Esq., J.P., (oil), by R. E. Morrison, presented by J. G. Livingston, Esq., J.P.

“A Disputed Bill of Costs” (oil), by James Campbell, presented by Bancroft Cooke, Esq., J.P.

“Judith and Holofernes” (oil), by J. R. Herbert, R.A., presented by the family of the late Benson Rathbone, Esq.

“Napoleon Crossing the St. Bernard,” by Paul DelaRoche, presented and deposited in the Town Hall by H. Yates Thompson, Esq., in memory of his father, the late S. H. Thompson, Esq.

Volume—Reproductions of Drawings by Old Masters, presented by the Trustees of the British Museum.

AUTUMN EXHIBITION OF PICTURES.

	1893.				1892.			
		£	s.	d.		£	s.	d.
Number of Pictures and other Works of Art Exhibited	1,242				1,393			
Number of Pictures sold	139				149			
Amount realized by sales		6,297	9	0		5,132	8	6
Season Tickets sold	3,541	620	18	6	3,776	652	9	6
Admissions at One Shilling.. ..	28,475	1,423	15	0	31,193	1,559	13	0
„ Sixpence	17,800	445	0	0	16,878	421	19	0
„ Threepence	16,611	207	12	9	17,856	223	4	0
Catalogues sold	19,487	505	9	0	20,138	535	12	9
Commission on sales		196	14	6		172	7	9
Miscellaneous Receipts		42	6	0		43	16	2
Total Receipts, exclusive of sales ..		3,441	15	9		3,609	2	2

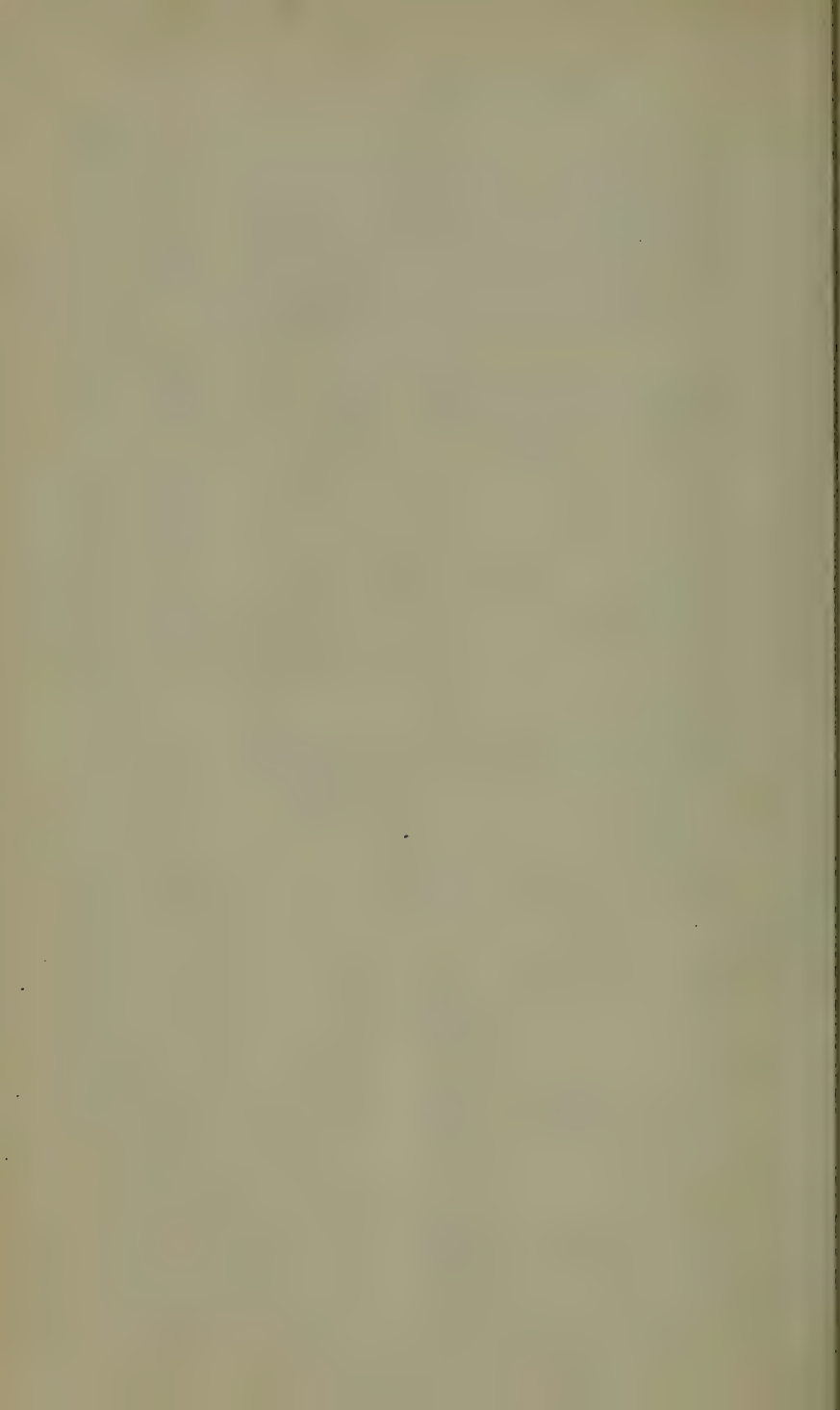
TABULATED STATEMENT OF ADMISSIONS, PICTURES SOLD, &c., DURING 23 YEARS, FROM 1871 TO 1893.

Year.	ADMISSIONS.			Season Tickets.	Catalogues Sold.	Commission on Pictures Sold.	Miscellaneous Receipts.		Total Receipts.		PICTURES SOLD.												
	—						£	s.	d.	£	s.	d.	No.	£	s.	d.							
	One Shilling.	Sixpence.	Threepence.																				
1871	720	16	0	207	14	6	165	10	0	320	18	6	46	4	1,523	5	4	235	6	395	2	6	
1872	601	5	0	48	2	6	168	0	6	312	6	0	3	18	3	1,368	8	3	242	6	623	1	6
1873	665	18	0	229	10	3	199	17	6	371	17	0	2	10	0	1,566	1	3	271	6	7,402	17	6
1874	854	16	0	241	13	3	247	0	6	479	0	3	2	7	0	1,976	13	6	337	6	9,514	13	0
1875	972	13	0	237	14	0	279	14	3	617	3	0	11	9	2	2,406	17	11	345	6	12,299	18	6
1876	1,118	0	0	232	7	6	301	12	0	440	15	3	9	10	7	2,409	15	10	255	6	8,867	10	0
1877	1,928	12	0	419	3	3	454	10	1	537	11	2	18	4	2	3,801	14	8	301	6	10,963	11	0
1878	1,964	17	0	423	5	0	562	8	6	237	13	0	14	2	0	4,189	7	10	235	6	6,225	14	0
1879	1,516	12	0	378	11	9	504	9	3	364	16	0	7	17	0	3,550	15	0	267	6	9,159	15	0
1880	1,449	11	0	439	19	6	509	7	3	544	3	3	10	17	7	3,727	19	1	271	6	11,753	7	6
1881	1,434	15	0	376	4	6	468	19	9	523	7	6	15	9	6	3,583	14	9	315	6	12,210	11	0
1882	1,430	3	0	332	16	0	472	14	6	362	8	9	23	1	11	3,396	8	8	311	6	7,868	3	6
1883	1,302	1	0	304	17	3	434	15	9	403	13	0	32	6	10	3,132	5	4	226	6	8,472	10	6
1884	1,966	12	0	319	14	3	599	13	3	432	6	3	87	7	5	4,700	1	2	291	6	12,313	7	6
1885	1,317	9	0	344	10	0	481	7	9	353	17	0	44	1	10	3,409	2	1	196	6	8,028	8	6
1886	1,147	1	0	333	15	9	434	9	0	336	13	9	36	19	7	2,989	3	7	224	6	8,576	18	0
1887	888	15	0	260	0	0	371	2	3	185	3	9	18	11	0	2,329	14	6	181	6	4,791	19	0
1888	1,473	5	0	186	11	3	524	17	6	268	16	9	40	3	3	3,501	3	9	168	6	6,461	6	0
1889	1,475	4	0	92	15	6	524	9	6	283	10	6	75	2	7	3,472	1	1	184	6	8,083	3	6
1890	1,372	11	0	241	4	6	484	18	0	221	16	9	79	1	4	3,286	7	7	188	6	6,943	1	6
1891	1,765	3	0	449	1	9	589	1	6	281	4	3	61	15	6	4,138	15	6	159	6	7,603	2	0
1892	1,559	13	0	223	4	0	535	12	9	172	7	9	43	16	2	3,699	2	2	149	6	5,132	8	6
1893	1,423	15	0	207	12	9	505	9	0	196	14	6	42	6	0	3,441	15	9	139	6	6,297	9	0
Total	30,349	7	0	6,560	4	6	9,820	0	4	8,248	3	11	855	1	4	71,600	14	7	5,490	6	191,596	2	0



PRESENTED

15 JUL. 1898





Liverpool Free Public Library, Museum, and Gallery of Art.

FORTY-SECOND
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC MUSEUMS
OF THE
CITY OF LIVERPOOL,

FOR THE YEAR ENDING 31ST DECEMBER, 1894.

*(Reprint of the General Report and of the Museums' portion only of the
Report of the Committee of the Free Public Library, Museums,
and Walker Art Gallery.)*



LIVERPOOL:
J. R. WILLIAMS & CO., PRINTERS, 8, SCHOOL LANE.

1895.

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1895.

COMMITTEE AND OFFICERS

FOR THE YEARS 1894-5.

THE RIGHT HONOURABLE WILLIAM H. WATTS, J.P.,
LORD MAYOR.

Committee.

ALDERMAN SIR WILLIAM B. FORWOOD, J.P., CHAIRMAN.

ALDERMAN PHILIP H. RATHBONE, J.P., DEPUTY CHAIRMAN.

LIEUT.-COL. A. H. BROWN, M.P.,	JOHN LEA, ESQ.,
WILLIAM J. BURGESS, ESQ.,	M. HYSLOP MAXWELL, JR., ESQ.,
ALDERMAN A. COMMINS, LL.D., M.P.,	RICHARD R. MEADE-KING, ESQ.,
JOHN L. EILLS, ESQ.,	JEREMIAH MILES, ESQ., J.P.,
THOMAS J. FLYNN, ESQ.,	ALDERMAN T. W. OAKSHOTT, J.P.,
WILLIAM S. GRAVES, ESQ., J.P.,	WILLIAM H. PICTON, ESQ.,
ROBERT D. HOLT, ESQ., J.P.,	GERALD H. RENDALL, ESQ., M.A.,
MORRIS P. JONES, ESQ., J.P.,	AUSTIN TAYLOR, ESQ., M.A.,
PATRICK KEARNEY, ESQ.,	

WILLIAM E. WILLINK, ESQ, M.A., J.P.

Director of Museums:

HENRY O. FORBES, LL.D.

Curator of the Derby Museum;

RICHARD PADEN.

GENERAL REPORT.

The Reports of the Chief Librarian, the Director of Museums, and of the Curator of the Art Galleries, which are annexed, are so full and complete in their analyses of the work done by these institutions, and so replete with considerations and suggestions for enlarging the scope of their usefulness and more effective organisation, that it is hoped they will be perused by all who take an interest in the great public educational work now being carried on in this City.

In every department the Committee have endeavoured to increase the attractiveness of the institutions under their care, recognising that entertainment must go hand in hand with instruction if the masses of the people are to be reached ; but, while broadening their lines on this popular basis, they have not been neglectful of the more important part of their duty in providing for the literary and artistic culture of those (and there are many) who make a serious use of the advantages which the City has placed at their disposal.

The erection of the new North Library in Everton, and the opening of a Lending Branch at the Central Library, have both been hailed with popular approval ; the erection of a new South Library will be kept steadily in view, and the Committee hope to be able to undertake this work in the near future.

The Ethnographical Gallery is fast approaching completion, and will be found replete with interest.

An extension of the Museums is a matter of urgent importance, as it is certainly a reflection upon the City that the scientific value of one of the finest natural history collections in the world is lost for want of space for its proper arrangement.

The Art side of the Committee's work prospers under the enthusiastic direction of Mr. Philip Rathbone. A practical turn has been given to the Committee's undertaking by the establishment of an Architectural and Applied Art School in connection with University College.

The technical educational work conducted by this Committee has assumed such importance as to necessitate a Special Report.

It would be, indeed, impossible to over-estimate the value of the technical work now being done ; and yet it is most difficult to state it in words that will carry conviction that the City is receiving good value for the money being expended in this direction.

Liverpool suffers from the want of industrial employment (we are not a manufacturing City), and when work at the docks is slack a cry of distress is heard on all sides. The true remedy for this is to create new industries, so that we may not be entirely dependent upon dock-side labour ; and the only way to create these industries is to teach our young people to use their hands and fingers, and this is what we are doing in our technical classes. So soon as it is known that we have a supply of skilled technical labour, a demand will set in for it, for there are hundreds of small manufacturing industries which can be carried on in Liverpool quite as well as in other great centres of population.

It is in this direction that we shall feel the value of what we are now doing in Technical Education ; and it constitutes one of the most hopeful signs for the future prosperity of the City.

WILLIAM B. FORWOOD,

CHAIRMAN.

THE MUSEUMS.

The Director of Museums, who, after appointment by the City Council on the 7th February, 1894, assumed office on the 20th of the same month, furnishes the Forty-Second Annual Report upon the CONDUCT and PROGRESS of the Museums.

GENERAL.

The Free Public Museums, it may be here explained for the information of the general public who do not, it is found, clearly realise the varied character and great value of the collections owned by the City, as well as for that of the Directors of Foreign Museums into whose hands this Report may come, consist of :—

(I.) THE DERBY MUSEUM, named after the Fourteenth Earl of Derby, whose large Zoological collections, bequeathed in 1851 to the City, formed the basis of this Museum. It consists of several departments: (a) *The*

Zoological, very rich in both Vertebrates and Invertebrates, and containing many types; (b) *The Geological*, in which are numerous unique Palæontological specimens; (c) *The Mineralogical*, wherein is incorporated the well-known Phillips' Collection and the magnificent series of Native Silica, bequeathed in 1893 by the late Earl of Derby; (d) *The Botanical*, containing at present very few specimens, but to be presently largely added to.

In this Museum is included the *Aquarium*, containing tanks for both Fresh and Salt Water Animals.

(II.) THE MAYER MUSEUM, the foundation of which Liverpool owes to the munificence of the late Joseph Mayer, Esq., F.S.A., who made large donations to the Corporation during his life, and bequeathed on his death the more important part of the extremely valuable collections exhibited in the quadrangular galleries in the three central storeys of the building. These collections are specially rich in (a) *Egyptian, Babylonian, and Assyrian Antiquities*; (b) *Mediæval European Ivories, Bronzes, and Illuminated Manuscripts*; (c) the unrivalled *Faussett Anglo-Saxon Collection*; (d) the *Mather Miniatures*; and (e) the very important *Pottery Collections*, conspicuously rich in Wedgwood and Old Liverpool Wares. Associated with this Museum, as belonging more nearly to the subjects illustrated by it, though not forming to any large extent part of the Mayer bequest, are (f) the *Ethnographical Collections* of barbaric races, now being arranged, but not yet opened to the public.

The Director regrets to have to record that Mr. Richard Paden, who had only in the previous March been promoted to the Curatorship of the Derby Museum, and who was, in June, taken ill, and granted special leave of absence by the Committee, succumbed to his malady in November, after a long service of about 30 years in the Museum. The Committee unanimously placed on their records a minute testifying to the great loss the Corporation and the Museum had sustained by the death of this officer, who had so long and faithfully laboured in it. His breakdown, so soon after the arrival of the Director, and the loss with him of the knowledge of the stored contents of the Museum, of the history of many of the specimens and of much else, solely possessed by him, has been a serious one to the Museum.

The Exhibition Galleries are now open free to the public, as under :—

During January, November, and December	...	from 10 to 4
„ February	... ..	„ 10 to 4-30
„ March	... ..	„ 10 to 5
„ April to September	... ..	„ 10 to 6

Also on Monday <i>Evenings</i> during January to	}	„ 7 to 10
March, and October to December ...		

The Museums are closed on Sundays and Fridays (except those of Whit and Easter Weeks) throughout the year, as well as on Christmas Day, and days of Public Fast and Thanksgiving.

Persons desirous of employing the Museums for the purpose of research, reference or sketching, can, by application to the Director, on giving satisfactory references, obtain tickets enabling them to enter on Fridays, and affording them special facilities for study.

The Museums were represented at the Museums' Association in Dublin by the Director and the Curator of the Derby Museum; and at the British Association Meeting at Oxford by the Director.

To Sir Wollaston Franks, K.C.B., of the Ethnographical Department, British Museum, and Professor A. H. Sayce, of Oxford, for having kindly advised upon Egyptian objects submitted for their opinion, the thanks of the Committee are due.

To Mr. J. L. Bowes, Prince's Road, Liverpool, the Committee are, in like manner, under grateful obligation for having cordially placed his unrivalled knowledge of Japanese Art at their service in reference to an extensive and very valuable collection of Sword-Guards offered to the Museum for purchase, but which, for lack of funds, the Committee were, with great regret, unable to acquire.

The Committee has at present under consideration the purchase of the celebrated Ornithological Collection of Canon Tristram, D.D., F.R.S., consisting of 20,000 specimens, among which are 760 types. It is the best private collection of birds in existence; and the sum for which it is offered is acknowledged by experts to be very moderate.

VISITORS.

During the year there has been a slight increase in the number of

visitors to the Museums over that of the previous year, as shown by the following table :—

			1893. (261 Days)	1894. (263 Days)
Total Visitors in the Year	, ...	...	299,319	306,994
Weekly Average	...	...	5,756	5,903
Daily Average...	...	...	1,146	1,167

It may be of interest for the sake of comparison to point out that the attendance at the British Museum (Natural History) for 1893, was 408,208, or a daily average of 1,321 persons; and at the British Museum, Bloomsbury, for the same year, 538,560, or a daily average of 1,743: that is a difference in favour of the former over the Liverpool Institution, of only 154 persons daily, and in favour of the latter (the older and more central Museum), of 576 per day. This large, and, when the size of the two cities is compared, most satisfactory attendance at the Free Public Museums indicates, therefore, how great an interest—even after deducting a large proportion of visitors as idlers—is taken in the collections and how important they are as a means of education. It requires nothing more to prove how essentially necessary it is that the Museums should not only be extended so as to exhibit the very large collections at present stored out of sight, but that sufficient means should be at the disposal of the Committee for correcting the present unsystematic arrangement, for exhibiting the collections in accordance with the present state of scientific knowledge, and for keeping them abreast of the advance of science. When this is accomplished the daily attendance would probably exceed that of any other Museum in the country.

Among those who have visited the Museums for study, research, or special inspection, are the following :—

R. Bowdler Sharpe, LL.D., F.L.S., British Museum; A. Smith Woodward, M.A., British Museum; H. Balfour, Esq., M.A., Pitt-Rivers Ethnographical Museum, Oxford; Prof. G. B. Howes, Royal College of Science, London; Prof. Newton Parker, University College, Cardiff; Prof. Dr. Wilhelm Victor, Marburg University; Prof. Dr. Valdemar Schmidt, Copenhagen; Dr. R. F. Scharff, Museum of Science and Art, Dublin; Prof. J. E. Talmage, President of the University of Utah, Salt Lake City, U.S.A.; Surgeon-Colonel Archer; Fleet Surgeon Palmer, R.N.; Capt. Christison, Edinburgh; Dr. Percy Rendall, British Central

African Protectorate ; Capt. Gibbons ; M. Maximiliano Nackmann, Consul for Guatemala.

Fourteen Students' Tickets have been issued during the year, and twenty-five Students have used the collections for purposes of study on Fridays.

Loans of zoological specimens have been made to the British Museum for the purposes of the XXVIIth. volume of the Catalogue of Birds, now being published by the Trustees ; and to the Tring Museum (the Hon. Walter Rothschild's) for comparison purposes ; and of Ethnographical objects to Prof. Haddon for the preparation of his recently published Memoir on *The Decorative Art of British New Guinea*.

The Museums were open on 23 evenings during the periods of January to March, and October to December, when the total attendances were 6,758 persons, giving an average attendance of 293 per evening. Lectures were on these evenings given in exposition of the collections, either in the Galleries or in the Lecture Theatre attached to the Museum, illustrated by objects from the Museum or by lantern slides. The following is a list of the subjects of lecture in 1894 and of the lecturers :—

1894.

Jan. 8th.—“Old Yorkshire Pottery,” by Mr. J. T. Beer, F.S.A, Scot.

Jan. 15th — “Toys, Ancient and Modern ; their Use and Influence on National Character,” by Mr. T. Tarleton.

Jan. 22nd.—“The Early Egyptians and their Gods,” by Mr. A. H. Frazer.

Jan. 29th.—“Land and Sea,” by Mr. J. Butler Davies.

Feb. 5th.—“England's Sunny Lanes, and their Insect Inhabitants,” with illustrations, by Mr. C. H. Hesketh Walker.

Feb. 12th.—“The Lower Forms of Animal Life,” by Mr. P. F. J. Corbin.

Feb. 19th.—“The Freshwater Mussel,” with lantern illustrations, by Mr. W. H. Read.

Feb. 26th.—On “The Mayer Collection,” by the Assistant Curator of the Mayer Museum.

Mar. 5th.—On “The Hands and Feet in Man and Animals,” by Mr. F. C. Larkin, F.R.C.S.

1894.

- Mar. 19th.—On "The New Series of Economic Minerals," by the Assistant in the Mineralogical Department.
- Oct. 1st.—On "The Crows and their Allies," by the Director.
- Oct. 8th.—On "The Rise of Art in Ancient Egypt," by the Rev. F. F. Grensted, M.A.
- Oct. 15th.—On "Fossil Plants," by Mr. J. Lomas, B.Sc.
- Oct. 22nd.—On "Old Worcester and Derby China," by Mr. John T. Beer, F.S.A, Scot.
- Oct. 29th.—On "Wings," by Mr. F. C. Larkin, F.R.C.S.
- Nov. 5th.—On "Old Liverpool Pottery," by the Assistant Curator of the Mayer Museum.
- Nov. 12th.—On "Sea Urchins, Sea Lilies, and Starfish," with Lantern illustrations, by Mr. W. H. Read.
- Nov. 19th.—On "Reading the Rocks," by Mr. J. Butler Davies.
- Nov. 26th.—On "The Cat," by the Director.
- Dec. 3rd.—On "Corals and Coral Islands," by Mr. J. A. Clubb, B.Sc.
- Dec. 10th.—On "Old Bibles and other Illuminated MSS.," by the Rev. F. F. Grensted, M.A.

THE ENTRANCE HALL.

During the year many of the statues which occupied this area have been removed, and their place given to groups of birds mounted in their natural surroundings. Ranged round against the pillars are still a number of plaster figures, for which it is hoped that a place may soon be found elsewhere, as the space is urgently needed to extend the Local collection, which it is intended should occupy the bays and floor space here. Several groups, mostly of Lancashire birds, have been mounted and set up in the Hall during the year, of which special mention may be made of the large central sea-group, consisting of four species arranged on a sea-girt rock, *i.e.* Puffins (*Fratercula arctica*), Gullmots (*Uria troile*), Fulmar Petrels (*Procellaria glacialis*), and Gannets (*Sula bassana*). Other groups are in preparation.

THE DERBY MUSEUM.

CONSERVATION.

Among the very large collections brought together during the past 40 years now stored in the cellars, which for want of space it is impossible

to exhibit, there are a great number of spirit specimens. Many of the jars, which were in need of fresh spirit, are now being attended to and replenished.

Considerable progress has been made in thus placing the specimens out of danger until they can be more closely examined. It is intended, as soon as a successor to Mr. Paden has been appointed, to have these collections overhauled and sifted, so that the various groups may be sent out to specialists for identification and description.

The Bird Collections have been periodically gone over, and attention given to all matters requiring it. The Entomological Cases on exhibition have been cleaned and re-lined and otherwise attended to. The Mineralogical Collections have been re-arranged, and their economic uses exemplified by well-chosen specimens.

ACQUISITIONS.

ZOOLOGICAL DEPARTMENT.

In regard to the donations to this Museum during the year the following deserve special mention: The magnificent specimens of Selenite Crystals, presented by Dr. Talmage, of the University of Utah, U.S.A., and the numerous examples of the Mud-fishes (*Protopterus annectens*), for which the Museum is indebted to the energy and care in transport of Mr. A. Ridyard, the Chief Engineer of the African S.S. "Niger." The Director has drawn the special attention of the Committee to Mr. Ridyard's interest in the collections and his frequent exertions both personally and through his friends on the African coast to procure specimens for the Museum, as well as the trouble and care—so requisite to success—which he has expended in bringing them over, or in getting them forwarded from ports besides those at which his own vessel called.

The following acquisitions have been made during the year:

INVERTEBRATES—

Hydrozoa. Plumose Anemones (*Actinoloba dianthus*); Beadlets (*Actinia mesembryanthemum*); Parasitic Anemones (*Sagartia parasitica*).

Echinoderms. Five-armed Star-fishes (*Uraster rubens*). All for the Aquarium.

Insects: Three Termites (sp.?) and Nests from South America.

Two specimens of *Pelopæus spirifex* and two nests, from the Argentine Confederation ; presented by Mr. F. Taylor.

One Neuropteran (*Myrmelion* sp.), from Degama, West Africa ; presented by Mr. Alexander Sutherland.

Sixteen species (42 specimens) of Butterflies from West Africa ; presented by Mr. Hart, 2, Bentley Road.

Longicorn Beetle (*Hammaticherus* sp.) ; presented by Mr. J. P. Fleming.

Two specimens of *Andræna fulva* ; presented by Mr. J. B. Morgan, Childwall.

Crustacea : Two specimens (*Ibacus* sp.) from Japan ; presented by Mr. T. R. Green, Tokio.

Fifteen specimens of Horseshoe Crabs (*Limulus polyphemus*) from Boston ; presented by Mr. Alderman J. H. Sullivan, per Captain Owens. For the Aquarium.

VERTEBRATES—

Fishes. Twelve blocks of dried clay, containing specimens of the Mud-fish *Protopterus annectens* (19th June), and twelve blocks of the same (additional, July 19th), from the River Gambia, West Africa ; presented by Mr. A. Bidyard, s.s. "Niger." Of one of these specimens a life-sized coloured drawing has been made.

One hundred Loch Leven Trout (*Salmo levenensis*) from Howietoun Fishery ; purchased for the Aquarium.

Five hundred Ova of Rainbow Trout (*Salmo irideus*) from Howietoun Fishery ; purchased for the Aquarium.

One dozen Gold Carp (*Cyprinus carpio*) ; purchased for the Aquarium.

Two Monk Fish (*Rhina squatina*) ; presented by Messrs. Kelsall Bros. for the Aquarium.

Reptiles : Two young Crocodiles (*Crocodilus vulgaris*) from the river Niger ; purchased.

One young Alligator (*Alligator mississippiensis*) from New Orleans ; purchased.

Three Lizards (*Lacerta viridis*) from Madeira ; purchased.

Birds : Sun Bird (*Leptocoma zeylonica*) from Madras ; presented by Mr. R. M. Adam.

One Puffin (*Fratercula arctica*) from Pwllheli, North Wales ; presented by Mr. James Corr.

Collection of Birds, 102 in number, from various (unspecified) localities ; presented by James Ismay, Esq.

One young Rhea (*Rhea americana*) from South America (in spirit) ; purchased.

One Plantain-Eater (*Musophaga violacea*) from West Africa ; purchased.

Two specimens of (*Calyptomena whiteheadi*), collected on Mt. Dulit by Mr. C. Hose, Resident of Baram, Sarawak, North Borneo ; purchased.

Two young Goatsuckers (*Caprimulgus europæus*) from Norfolk (in spirit) ; purchased.

One Cuckoo (*Cuculus canorus*) ; one Goatsucker (*Caprimulgus europæus*) ; and three Swifts (*Cypselus apus*) ; presented by Mr. Thomas West.

Two Weaver-birds' Nests (Sp. ?) from Clay Ashland, Republic of Liberia ; presented by Messrs. Edwards Bros.

One Kittiwake (*Rissa tridactyla*) from Walton ; presented by Miss A. Taylor.

One Goosander (*Mergus merganser* ♀) shot at Hoylake ; presented by Mr. Daubney Brandreth.

One White-faced Owl (*Sceloglaux albifacies*) from New Zealand ; purchased.

One Woodcock (*Scolopax rusticola*) caught in Fraser Street, Liverpool ; presented by the Director.

Mammals : One Mole (*Talpa europæa*), albino variety, from Mold, North Wales ; presented by Miss M. Lloyd Fletcher.

One Siamese Cat (*Felis domesticus*) from Siam ; presented by Mrs. R. D. Holt. This Cat is remarkable for the curious loop in its tail, indicating its having crossed with the Malay Cat, which is probably a Cat introduced from Europe. The skeleton of this specimen is in the University College Museum.

Three specimens—a male, female, and young—of Müller's Gibbon (*Hylobates muelleri*), from the Baram district of Sarawak, North Borneo, collected by Mr. C. Hose, Resident of Baram ; purchased.

Cranium and beak of the Hump-backed Whale (*Megaptera boops*), dredged up in the Irish Sea ; presented by Messrs. Harley and Miller.

One skeleton of a Lioness (*Felis leo*), showing the body outlined by the skin on one side ; purchased.

Brain and thorax of the Common Chimpanzee (*Anthropopithecus niger*) ; purchased.

GEOLOGICAL AND PALÆONTOLOGICAL DEPARTMENT.

One pair of Antlers of the Red Deer (*Cervus elephus*) from the Liverpool side of Leasowe Castle ; purchased.

Cast of *Pterodactylus crassirostris* and one cast of *Palæotherium magnum* ; purchased.

MINERALOGICAL DEPARTMENT.

One specimen of Bog-Butter (*Hydro-carbon*), from a Peat Bog in Scotland ; presented by Mr. Edward Davies.

Two enormous Selenite Crystals of great transparency, from Wayne County, Utah, U.S.A. ; presented by Dr. J. E. Talmage, President of the University of Utah, Salt Lake City, U.S.A.

Collection of Minerals from Perak, Straits Settlements ; presented by Mr. Cecil Wray, Perak, consisting of one specimen of Sapphire in Mica rock, Chenderiang, Perak ; two of Cassiterite (*brown oxide of tin*), Kinta ; 18 of Blue Corundum, Tin Mines of Sungei-Raga ; 40 of White Topaz, Tin Mines of Chenderiang.

A collection of 19 species and 22 specimens of the following Minerals, purchased, as under :—

1	Uvarovite	...	...	Ural Mountains.
1	Cacoxine	...	...	Bohemia.
1	Huocerite	...	...	Sweden.
1	Bolognian Stone (Baryta)	...	...	Italy.
1	Wolwyn	„	...	Hungary.
1	Staugenspath	„	...	Saxony.
1	Glauberite	...	...	Spain.
2	Euxenite	...	...	Norway.
3	Monazite	...	...	Siberia.
1	Boulangerite	...	...	Sweden.
1	Linarite	..	...	Cumberland.
1	Polycrase	...	...	Norway.
1	Pinite (three crystals in matrix)	...	...	Auvergne.
1	Cookeite in Lepidolite	...	...	Hebron, Maine.
1	Chloritoid	...	...	Tyrol.
1	Wagnerite (part of a large crystal)	...	...
1	Paragonite, (with Staurolite and Cyanite)	...	...	St. Gothard.
1	Delessite	...	...	Oberstein, Germany.
1	Berzilit	...	...	Sweden.

BOTANICAL DEPARTMENT.

Slab of Californian Red Wood (*Sequoia sempervirens*); presented by Messrs. Cassell & Co., Belle Sauvage Yard, London, E.C.

AQUARIUM.

In the Aquarium one large new tank, with a front of one entire sheet of plate glass, has been erected for fresh-water fishes, in which the Loch Leven Trout, which have occupied it from the commencement, have thriven surprisingly well. One of the larger sea-water tanks, which broke down during the year, has been replaced by another of the same dimensions, but with a continuous front of plate glass.

An additional supply of water has been laid on from the main for the fresh-water tanks, and for the purpose of driving with increased power the ærating pumps for the salt-water tanks.

A change in the manner of discharging the water into the fresh-water tanks, namely, by bringing it through the bottom of the tank, instead of, as formerly, running it in at the top, has proved a most beneficial improvement.

The following species have been exhibited alive during the year, those with an asterisk being alive at the date of this report:—

Loch Leven Trout *(*Salmo levenensis*); *Rainbow Trout (*Salmo irideus*), hatched in the Aquarium; Gold Carp *(*Cyprinus carpio*); Crucian Carp *(*Carassius carassius*); Tench *(*Tinca tinca*); Rudd *(*Leuciscus erythrophthalmus*); Minnow *(*Leuciscus phoxinus*); Roach *(*Leuciscus rutilus*); Pike *(*Esox leucius*); Perch *(*Perca fluviatilis*); Bass *(*Labrax lupus*); Mud-fish *(*Protopterus annectens*); King Crabs *(*Limulus polyphemus*); Sea Anemones: Plumose Anemone (*Actinoloba dianthus*); Beadlet *(*Actinia mesembryanthemum*); *Cave-dwelling Anemone (*Sagartia troglodytes*); Parasitic Anemone *(*Sagartia parasitica*); *Opelet Anemone * (*Anthea cereus*).

Five-armed Star-fish (*Uraster rubens*).

Bullhead * (*Cottus bubalis*); Sole (*Solea vulgaris*); Plaice, *(*Pleuronectes platessa*); Lesser Weever, *(*Trachinus vipera*); Pogge *(*Agonus cataphractus*); Conger Eel * (*Conger vulgaris*); Common Toad * (*Bufo vulgaris*); Bull Frog * (*Rana mugiens*); Water Newt *(*Triton cristata*); Green Lizard *(*Lacerta viridis*); New Orleans Alligator *(*Alligator mississippiensis*), and West African Crocodile *(*Crocodilus vulgaris*); Spotted Salamander *(*Salamandra maculosa*);

American Salamander * (*Amblystoma carolinæ*); Menopoma * (*Cryptobranchus alleghanyensis*).

EXCHANGES.

Practically no exchanges were made this year. Three specimens of the Mud-fish (*Protopterus annectens*) were presented to the Museum of Comparative Anatomy, Oxford, and one to University College, Liverpool.

MAYER MUSEUM.

A great amount of the Director's time during the year has had to be devoted to the furnishing, fitting-up and arrangement of the New Ethnographical Gallery in the basement rooms. These rooms, after being entirely gutted and the walls boarded with varnished pine, were fitted throughout with cases of polished baywood. The collections now being exhibited in them, which have mostly till now been stored away from want of room, are of great value, many of the specimens being now almost impossible to obtain. The arrangement of these objects in the cases is at present in active progress, and the gallery will, it is anticipated, be opened to the public at an early date.

ACQUISITIONS.

In this Museum these have been mainly ethnographical:—

Woven garment worn by the Loi Women of the Island of Hainan, South China; presented by E. Harper Parker, H.B.M. Consul, Hoihow.

Suit of Japanese Armour; presented by Mr. George Brown.

Photograph of Paraguayan Lace, kindly allowed by Mrs. Goodwin, of Buenos Ayres, to be made for the Museum.

Wooden Mask, from New Ireland, with prominent eyes, nose, mouth and projecting ornament, highly decorated in white, red, and black; purchased.

Wooden Mask, from New Ireland, the face highly decorated in red, white, and black colours, the eyes of molluscan opercula, and the head-dress somewhat in the form of a "busby," one side of which is painted white and studded with pieces of wood, the other ornamented with a fringe of worsted; purchased.

Six Arrows from Santa Cruz; purchased.

Breast Ornament of Hippopotamus Tusk, from Lake Tanganyika, Central Africa; purchased.

Carved Wooden Paddle, from West Africa ; purchased.

Lamp of the Roman period, found in Egypt ; purchased.

Collection obtained at the Sioux Indian Reservation, Fort Pierre, Bad Lands, South Dakota ; purchased. It includes :—

Two Clubs with stone heads, and handles of cane, bound with skin one painted red and the other green.

Model of a Tent or "Tepee."

Bow and three Arrows, two with iron heads.

Skin Pouch for holding a water-bottle, decorated with beads.

"Papoose," or Child's Cap, decorated with beads.

"Squaw's" Beadwork Girdle.

A pair of Child's Slippers.

Model of a Full-rigged Canoe, from New Caledonia ; purchased.

A Collection of Ethnographical Objects of the Jivaros Indians, of Brazil ; purchased. It consists of :—

Breast Ornament of Monkey bones, strung on plaited material, with teeth, seeds, and beetles'-elytra fringe.

Pair of Ear-rings of beetles' elytra, on strings.

Waist-belt of human hair.

Two Necklets of teeth and beads.

Necklace of Monkey teeth.

Comb.

Netted Bag.

Two Painted Hide Shields, of the Masai tribe, East Central Africa ; purchased.

Sword with hide sheath, Uganda, East Central Africa ; purchased.

Humming Top, made from a gourd from Queensland ; purchased.

A Burmese Manuscript inscribed on palm leaves ; purchased.

Shield from New Guinea ; purchased.

A Solomon Island Club ; purchased.

New Hebrides Spear ; purchased.

Four large Photographs of New Guinea Natives and their Dwellings ; purchased.

Photograph of a Mountain Chief, Val Val Poi of Popoi, Santo ; purchased.

Photograph of Chiefs from Venu Lava, Santo ; purchased.

Photograph of Native Drums, Rhanone Ambrym ; purchased.

Liverpool Printed Jug ; purchased.

Piece of the Original Rails of the Liverpool and Manchester Railway of 1829 ; presented by Mr. Clement E. Stretton, through the Trustees of the South Kensington Museum.

The Council of the Royal Institution of Liverpool have lent to the Museum the following objects :—

Cane Shield	..	...	...	Solomon Islands.
Pair of Snow Shoes	...	...	...	North America.
Model of a Javan House.				
Backgammon Board	...	...	...	West Africa.
Australian Shield.				
Drum	...	...	...	Central Africa.
Shield	...	...	...	"
Seven Spears	...	...	...	"
Trumpet	...	...	...	"
Four Spoons	...	...	...	"
Two Wooden Figures	...	...	...	"
Pipe ...	...	...	...	"
Tweezers	...	...	...	"
Water Bottle	...	...	...	"
Bone Tappa-beater	...	...	...	Samoa.
Piece of Carved Wood	...	...	...	New Zealand.
Club	...	...	...	Guiana, South America.
Bone Club	...	...	...	New Zealand.
Hand Club, with spear head attached	...	...	...	South America.
Piece of Carved Wood	...	...	...	New Zealand.
Large Wooden Bell	...	...	...	Africa.
Large Calabash	...	...	...	"
Three Fish Hooks.				
Club	...	...	...	South America.
Do.	...	...	...	Africa.
Do.	...	...	...	"
Do.	...	...	...	Fiji.
Do.				
Carved Stick	...	...	...	New Zealand.
Sharks'-teeth Knife	...	...	...	Kingsmill Island,

Knife, ivory handle.				
Three Fish Hooks.				
Large Fish Hook	...	...	...	New Zealand.
Pipe Head.				
Pipe	...	...	...	North American Indian.
Club	...	...	...	Samoa.
Club, serrated edge.				
Hide Whip.				
Adze, shell head.				
Large Paddle	...	...	...	Hervey Islands.
Paddle, crescent-shaped handle.				
Bone Meri	...	...	...	New Zealand.
Quiver of Arrows	...	...	...	S. America.
Carved Horn.				
Tappa Cloth	...	...	...	Sandwich Islands.
Circular Feather Ornament		...		Sandwich Islands.
Bead Necklace.				
Bead Necklet.				
Two Feather Necklaces	...	...		Sandwich Islands.
Girdle Belt	...	...	...	China.
Opium Pipe	...	...	...	China.
Two Glass Snuff Bottles...	...	...	...	China.
Fibre Cap, Essequibo	...	...	...	S. America.
Fibre Cap	...	...	...	W. Africa.
Belt, beadwork...	...	...	...	N. America.
Girdle Belt	...	...	...	N. America.
Ornament, "Taowmee"	...	...	...	Eimays, Society Island.
Tappa Cloth	...	...	...	Otahiti.
Straw Cap	...	...	...	Nootka Sound.
Plaited Fibre Necklace	...	...	...	South Seas.
Feather Breast Ornament		...		Sandwich Islands.
Necklace of Shell, &c.	...	...	...	South Seas.
Hookah	...	...	...	Turkey.
Three pieces of Tappa Cloth	...	...	...	Sandwich Islands.
Feather Necklet	...	...	...	S. America.
Long Pipe.				
Straw Cap	...	...	...	Nootka Sound.

Bamboo Tube.

Calabash.

Stool, from Coomasie.

Eathenware Bowl	...	...	...	S. America.
Two Funnels	...	...	...	New Zealand.
Ten Pieces of Tappa Cloth	...	...	...	Sandwich Islands.
Spoons, from "Igheghe"	...	...	...	W. Africa.
Foot Rest	...	...	...	New Zealand.
Three Earthenware Bowls	...	...	...	S. America.
Carved Box	...	...	...	W. Africa ?
Hammock	...	...	...	Rio Branco.
Coat made of intestines of Seals (<i>Eumetopias stelleri</i>)				
Blow Pipe	...	...	...	S. America.
Paddle	...	...	...	New Zealand.
Model of a Birch-bark Canoe	...	...	...	N. America.
Pair of Snow Shoes?	...	...	...	Do.
Model of a Canoe	...	...	...	New Zealand.

SCIENCE CABINETS FOR SCHOOLS.

These Cabinets, each containing a series of specimens representative of some one group of Natural History, have for some years been from month to month distributed in rotation to different District Schools in the City, for the purpose of illustrating short Natural History lectures given to the pupils on the subject of its contents by the Teachers.

An examination of these Cabinets has shown that the series of specimens and the notes accompanying them are capable of considerable improvement. It is intended, therefore, during the coming year, to re-arrange the whole series, selecting more characteristic specimens, and such as are better calculated to arrest the attention and interest of the pupils, into representative groups in number equal to the lessons which can conveniently be given in one year, say 15 to 20 (or one a fortnight) by each school, so that during the year each Teacher may be able, if so desirous, to present to his or her pupils a complete but comprehensive synopsis of the Animal or Vegetable Kingdom.

These Cabinets will be arranged in ascending series from the lower to the higher, both of plants and of animals. The accompanying notes will be much more ample than heretofore, while they and the labels will also be explained in perfectly simple language. It is also intended to issue

later on with each Cabinet a descriptive pamphlet, containing an account of the group illustrated by the Cabinet, giving more detailed information than can be given in the general syllabus of contents fixed to the cover, or on the labels,—this chiefly for the use of the Teacher. An increase in the number of the Cabinets is contemplated, and it is then hoped that they will be passed in quicker succession from school to school, so that the whole of the series may be brought before the pupils of each school in the course of the year.







Liverpool Free Public Library, Museums, and Gallery of Art.

FORTY-THIRD
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC MUSEUMS
OF THE
CITY OF LIVERPOOL,

FOR THE YEAR ENDING 31ST DECEMBER, 1895.

*(Reprint of the General Report and of the Museums' portion only of the
Report of the Committee of the Free Public Library, Museums,
and Walker Art Gallery.)*



LIVERPOOL:
J. R. WILLIAMS & CO., PRINTERS. S, SCHOOL LANE,
1896.





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COMMITTEE AND OFFICERS

FOR THE YEARS 1895-6.

THE RIGHT HONOURABLE FREDERICK ARTHUR, EARL OF DERBY, G.C.B.,
LORD MAYOR.

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HENRY O. FORBES, LL.D.

Assistant Curator of Derby Museum:

JOSEPH A. CLUBB, B.Sc.

Assistant Curator of Mayer Museum:

P. ENTWISTLE.

GENERAL REPORT.

The Reports which are attached set out in detail the work of our affiliated institutions during the past year; and while they testify to the wide appreciation by the public of the advantages offered by the various departments, they also show that the Committee have been anxious to extend the usefulness of the institutions under their care, and have not only widened the area of their influence and activity, but have endeavoured to strengthen and consolidate the work at the Central institutions.

The erection of a new Library and Technical Schools at Everton, the purchase of a site for a new South Library, and arrangements for extending the Reading-room accommodation at the East Library, have been associated with the opening of a new Lending Library at the Central Library in William Brown Street, an Ethnographical Gallery, and the preliminary steps for the enlargement of the Museum and new Central Technical Schools.

These are undertakings of such magnitude that they could not have been contemplated without the generous support of the City Council, which has not been slow to recognise that a modern municipality demands that the literary, scientific, and artistic culture of the people are matters for its care and solicitude.

The Greater Liverpool has been eager to avail of the enlightened policy and wider aims which characterise the civic government of a large community, and demands the establishment of Libraries in the newly added areas. These claims will receive the early attention of the Committee.

In the Museum a re-arrangement of the staff has enabled the Director to secure more scientific assistance in his work. Negotiations are pending to purchase the Tristram Ornithological Collection, which will prove a most important addition to the Derby Museum and greatly increase its scientific value.

In the Art Department the sudden death of the Chairman of the Sub-Committee, Alderman Philip Rathbone, has overshadowed all else. His wide and catholic art-culture and taste, and his strong individuality, were so woven into the history, daily work, and life of the institution, that it seemed as if the ruling spirit of inspiration and guidance had gone for ever. But Mr. Rathbone had been able to impart some little of his own enthusiasm and his unique love for Art as Art to his fellow workers ; and perhaps what is still more important, he had succeeded in placing our Permanent Gallery and our Autumn Exhibition in a position of pre-eminence which secures for them the support of the artistic world ; and the continued success of both of these departments testify how solid and real his work was, and how well his task was fulfilled.

Technical Education is taking a more real part in the educational work of the City, and as its aims are better understood and its results are seen and felt in the increased wage-earning power it places within the reach of our artizans, our classes are being more largely and seriously availed of. Much of the teaching of the pretty and minor Arts, which at first seemed the popular interpretation of Technical Instruction, has given way to the study of that Science and Art which in these days are so important to the success of almost every handicraft.

The Nautical College continues to make headway, but is hindered in its progress by the Board of Trade requirements not necessitating any systematic course of study. But a change in this respect may be shortly expected, as the persistent efforts which the Sub-Committee has made to secure a higher and more complete education for the officers of our Mercantile Marine is about to bear fruit.

WILLIAM B. FORWOOD,
CHAIRMAN.

THE MUSEUMS.

The Director of Museums furnishes the Forty-Third Annual Report upon the CONDUCT and PROGRESS of the Museums.

I.—GENERAL.

THE FREE PUBLIC MUSEUMS comprise (A) the DERBY MUSEUM, of which the nucleus was the collections bequeathed in 1851 to the City, by the Fourteenth Earl of Derby. It contains The *British Collections*, and the general *Zoological, Geological, Mineralogical* and *Botanical* Departments, besides which there is an *Aquarium*, containing both Fresh and Salt Water Animals; (B) THE MAYER MUSEUM, the larger part of which was collected and presented to the Corporation by Joseph Mayer, Esq., F.S.A. These collections are specially rich in (a) *Egyptian, Babylonian, and Assyrian Antiquities*; (b) *Mediæval European Ivories, Bronzes, and Illuminated Manuscripts*; (c) The unrivalled *Faussett Anglo-Saxon Collection*; (d) The *Mather Miniatures*; and (e) the very important *Pottery Collections*, conspicuously rich in Wedgwood and Old Liverpool Wares. Associated with this Museum, as belonging more nearly to the subjects illustrated by it, though not forming to any large extent part of the Mayer Bequest, are (f) the *Ethnographical Collections*, chiefly of barbaric races.

The building in which these collections are housed was erected at the cost of the late Sir William Brown.

The Exhibition Galleries are now open free to the public, as under :—

During January, November, and December	...	from 10 to 4
„ February	... ..	„ 10 to 4-30
„ March and October	... ..	„ 10 to 5
„ April to September	... ..	„ 10 to 6
Also on Monday <i>Evenings</i> during January to	}	„ 7 to 10
March, and October to December...		

The Museums are closed on Sundays and Fridays (except those of Whit and Easter Weeks) throughout the year, as well as on Christmas Day, and days of Public Fast and Thanksgiving.

II.—VISITORS.

During the year there has been a slight increase in the number of visitors to the Museums over that of the previous year, as shown by the following table :—

			1894. (263 Days)	1895. (264 Days)
Total Visitors in the Year	...	...	306,994	308,987
Weekly Average	...	...	5,903	5,942
Daily Average..	...	...	1,167	1,170

It may be of interest, for the sake of comparison, to point out that the attendance at the British Museum (Natural History) for 1894 was 413,572, or a daily average of about 1,330 persons ; that is a difference in favour of the National over the Liverpool Museum of 160 persons daily, which cannot but be considered a very satisfactory attendance. A special feature of the attendances this year has been the large number of schools that have taken advantage of the recent section in the Education Code, under which the time devoted to instruction imparted in Museums reckons as school attendance. Such classes have visited the Museum on 26 occasions for the purpose of receiving lessons from the specimens on exhibition.

Persons desirous of employing the Museums for the purpose of research, reference or sketching, can, on giving satisfactory references, obtain, by application to the Director, tickets enabling them to enter on Fridays, and affording them special facilities for study. During the year a room has been specially set apart for their accommodation, where objects of special study may, with the approval of the Director, be brought for their convenience from the cases. Twenty tickets were issued during the year—chiefly to Students of Osteology and Dental Anatomy—who have made extensive use of the collections on the days the Museum is otherwise closed to the public.

The Museums were represented by the Director at the Museums Association, which met at Newcastle-on-Tyne, under the Presidency of

Canon Norman, F.R.S., and at the Meeting of the British Association, at Ipswich, in September, under the Presidency of Sir Douglas Galton, K.C.B.

Among those who have visited the Museums for study, research, or special inspection, are the following :—

Dr. P. Rendall, Medical Officer, Nyassa-land, British Central Africa ; R. Bowdler Sharpe, LL.D., F.L.S., British Museum, for ornithological investigation ; Prof. Dr. Amalitsky, Warsaw University, to examine the Palæontological Collections, and especially the Permian Lamelli-branchiata ; Rev. A. H. Cooke, King's College, Cambridge, to examine the Collection of Mollusca ; Dr. Wheelton Hind ; H. N. Ridley, M.A., Director of the Royal Botanical Gardens, Singapore ; Prof. Pettigrew ; Prof. Ritter, San Francisco, U.S.A., to examine the Tunicata ; Prof. Marshall H. Saville, American Museum of Natural History, New York, examining the Anthropological Collection and the Mexican Codex and Antiquities ; Prof. Gotch, F.R.S., and Prof. Lodge, D. Sc., F.R.S., to conduct physiological experiments upon the electric fishes ; Dr. Salin, Stockholm, investigating the Bryan-Faussett Anglo-Saxon Collection ; Prof. A. C. Haddon, Royal College of Science, Dublin, visiting the Anthropological Collection ; Prof. Rein, University of Bonn, investigating the Pottery Collection, and especially the Japanese objects ; Arthur Rhodes, Esq., Member of the House of Representatives, New Zealand ; Prof. Dr. Valdemar Schmidt, Copenhagen, examining the Ethnological Collections, and investigating the inscriptions upon the Egyptian Sarcophagi ; Capt. H. Mays, Curator of the Museum, King's Lynn ; Señor Francisco del Paso y Troncoso, Director of the National Museum, Mexico, investigating and describing the Mexican Codex, for the purpose of reproducing it in a work contemplated by the Mexican Government ; Dr. Rowland, Medical Officer, Lagos, West Africa ; Arthur J. Evans, Esq., F.S.A., Curator of the Ashmolean Museum, Oxford, studying the Celtic ornamentation on objects in the Mayer Museum ; Dr. R. H. Traquair, F.R.S., Keeper of Zoology in the Museum of Science and Art, Edinburgh.

The Museums were open on twenty-five Monday evenings during the periods of January to March, and October to December, when the total attendances were 8,150, giving an average of 326 each evening, which is an increase on the previous year's attendance.

III.—LECTURES.

Twenty-one Lectures were delivered on these evenings in the Theatre of the Museum. They were illustrated by specimens from the Museum, and by lantern slides. The total attendance at the Lectures was 2,008. With two exceptions, they have been given by members of the staff.

The following is a list of the subjects :—

- Jan. 7th.—“Christmas and its Music,” Mr. W. I. Argent.
- Jan. 14th.—“Seals,” by the Director of Museums.
- Jan. 21st.—“Curiosities of Clock and Watchwork,” by Mr. T. Tarleton.

The following were by the Assistant-Curator of the Derby Museum:—

- Jan. 28th.—“Some Common Animals.”
- Feb. 4th.—“Rock-makers of the Sea.”
- Feb. 11th.—“Crabs and Lobsters.”
- Feb. 18th.—“The Bath Sponge and its Allies.”
- Feb. 25th.—“The Colours of Animals.”
- Mar. 4th.—“The Heart and the Blood in Animals.”
- Mar. 11th.—“Digestion in Animals.”
- Mar. 18th.—“Breath and Breathing in Animals.”
- Mar. 25th.—“The Nervous System and Sense Organs.”
- Oct. 7th.—“Electric Fishes,” by the Director of Museums.

The following were by the Assistant Curator of the Derby Museum:—

- Oct. 14th.—“Lower Forms of Life.”
- Oct. 21st.—“Lower Forms of Life.” (Continued.)
- Oct. 28th.—“Crustacea.”
- Nov. 4th.—“Insects.”

The following were by the Assistant Curator of the Mayer Museum :—

- Nov. 11th.—“The Ancient Peruvians.”
- Nov. 18th.—“The Ancient Peruvians.” (Continued.)
- Nov. 25th.—“The Ingenuity of Primitive Man.”

Dec. 2nd.—“Animal Colonies and Co-operation,” by the Assistant Curator of the Derby Museum.

In both the Derby and the Mayer Museums considerable progress has been made in re-arranging the Collections, and adding to or re-making specimens, notwithstanding the inadequate funds for this year at the disposal of the Committee. Much work, however, urgently requiring to be done has been deferred till 1896.

A. DERBY MUSEUM.**THE ENTRANCE HALL AND GALLERIES.****(BRITISH COLLECTIONS.)**

Considerable progress has been made in preparing the Bays and Galleries of the Entrance Hall for the reception of the collections illustrating the British, and especially the Local, Fauna, Flora, Geology and Geography. To receive these collections, new cases for two of the bays have been constructed, and the remainder are already ordered. On the floor of the Hall several new bird groups have been added to those already there. The walls in the Bays, which were of a deep maroon colour, absorbing a great deal of light, have been painted of a lighter tint, with distinct advantage to the brightness of the Hall.

The cases in the galleries surrounding it, which were distempered of the intensest blue, have been washed down and also re-coloured a French-grey tint, with the result of increasing the light in this part of the Museum. The Palæontological Collections, which occupied the wall cases of these galleries, will be removed and incorporated among the groups in the general collection to which they belong, to give place for the rest of the British collection. Preparations are being made to display in the balustrade cases picked examples of the British Flora.

ZOOLOGICAL DEPARTMENT.**(a) GENERAL.**

The vacancy caused by the death of Mr. R. Paden was filled up in January by the appointment of Mr. Joseph A. Clubb, a Bachelor in Science of Victoria University, as Assistant Curator. At the same time a re-arrangement of the staff was made, whereby the scientific officers were entirely freed from the clerical duties which had occupied more of their time than was desirable. The appointment of a Laboratory Assistant, which was also sanctioned during the past year, has added greatly to the advancement of the work in the Museum, especially in the preparation of Photographic Slides for the illustration of the Evening Lectures, and in making enlargements for illustrating different parts of the Collections.

The entire lack of Laboratory accommodation, however,—apparently quite forgotten in the construction of the Museum—has proved a great draw-back. In consequence, the investigation of many of the numerous

points in structure constantly arising for settlement, and the making of preparations essential to the full understanding of the exhibited specimens, have been impossible; while others could be carried out only imperfectly and with difficulty.

The Electric Cat-Fish (*Malapterurus electricus*), which has been for many years past a great desideratum among physiologists, having this year been successfully imported, and thriven well, an opportunity was afforded of granting to Professor Gotch, F.R.S., Waynflete Professor of Physiology, Oxford, who at the time of their arrival was Professor of Physiology in University College, Liverpool, the opportunity of investigating the characters of the discharge of the electrical organ. Professor Gotch, who while in Liverpool conducted his experiments, both in the Museum and at University College, was with the permission of the Committee supplied with several specimens at Oxford. In gratefully acknowledging the generosity of the Museum Committee, the Professor reports that he has been very successful in obtaining results of much interest and of great physiological importance. These results, which will shortly be communicated to the Royal Society, show: (1) "That the single intense shock given by the fish owes no small part of its intensity to the fact that the electrical organ itself, apart from the central nervous system, gives a series of rapidly succeeding electrical currents all in the same direction; (2) That this peripheral organ rhythm occurs at a rate of from 100 to 280 in a second (dependent upon the temperature), so that a single response of the organ, produced by the Central Nervous System, is succeeded by a rapidly following succession; (3) That the fish is thus able to cause this rapid succession of currents to pass through structures around it without the fatigue which necessarily accompanies an outflow of nerve effort; (4) That each current in the series is similar to its predecessor, and is of small quantity but of high electro-motive force (about 150 volts), and lasts for only $\frac{2}{1000}$ ths of a second; (5) That the chief factor in producing this rapid series in the organ is the electrical current itself, which excites the nerve endings in the organ. A series of such similar currents in rapid succession has a most marked effect upon animal tissues, and thus the arrangement discovered to exist in the *Malapterurus* is a particularly favourable one for the purpose for which it is employed by the fish, namely, to protect itself from live enemies and to kill small

fishes in the neighbourhood for use as food. The whole organ is thus a most remarkable instance of adaptation, this feature being accentuated by the circumstance that since the organ once discharged goes on discharging through its own activity only, the total result is achieved by the fish at very small expense to the Central Nervous System, and can thus be repeated many times without fatigue."

The best thanks of this Committee are due to Mr. E. Hartert, the Curator of the Hon. Walter Rothschild's Museum at Tring, for his kindness in naming the whole of the species of *Caprimulgidæ* or Night-jars—on which he is an authority—in this Museum; also to the Hon. Walter Rothschild for generously lending the cranium of "Sally," the famous Chimpanzee, which lived for many years in the Zoological Gardens in London, and in like manner to Professor Herdman, F.R.S., for the loan of the crania and brains of specimens in University College Museum, in both cases to enable the Director to compare them with those in the Derby Museum, in order to aid in the settlement of the question at present under investigation, as to the number of species of Chimpanzee there are now in existence.

(b) ARRANGEMENT.

A commencement has been made in the re-arrangement of the Zoological Collections. The Room which, if the proposed extension of the Museums be carried out, will be the first of the continuous gallery destined to contain the vertebrates, in as nearly as possible, their evolutionary order, is now in process of arrangement. It is to be devoted to Man and the Simian anthropoids—the Chimpanzees, the Gorillas, the Orang-utans, and the Gibbons. An entirely new series is being prepared, exemplifying the various races of mankind, by crania, casts, and drawings, or enlarged photographs of their features. The anthropoids will be represented by mounted specimens; and both will be illustrated by comparative preparations of their osteology and internal anatomy.

In the invertebrate galleries it has been impossible to undertake any special re-organisation; it is less pressing there than in those of the Vertebrate series. The Assistant Curator has, however, re-arranged the Protozoa.

In the Mineralogical and Geological Galleries, little beyond labelling and more efficiently displaying the specimens already on view, has been possible. Mr. Marrat has, however, completed the Catalogue of the whole of the Mineralogical Collections on exhibit.

(c) CONSERVATION.

The usual work of conservation has been continued throughout the year. Some progress has been made in examining the Spirit Collections—chiefly of *Invertebrata*—long stored in the Spirit Room, referred to in the last Report, and sorting them out into groups, with the intention of submitting them to different specialists for determination and, if necessary, description. A considerable time will, however, be still required before this work can be completed.

The whole of the Collections have been periodically examined, dusted, and kept free from moth and other pests.

Of the Mammals several of the *Anthropoidea* have been relaxed and re-stuffed, while others have been reduced to skins. Of the Birds also a large number have been relaxed and placed in the Study Collection.

Numerous specimens of various Vertebrate Groups have been placed in spirit or formic-aldehyde for future histological purposes, or for making preparations in illustration of exhibited specimens.

A number of Marine Invertebrates were obtained during the summer at Port Erin and placed in formic-aldehyde of various strengths, to try the efficacy of this new preservative for Museum purposes. The specimens of *Hydrozoa*, *Mollusca* and Fishes, experimented upon have, in particular, been successfully preserved, with the retention of their colouration and the life-like condition of their tissues.

(d) LOANS.

Zoological specimens were during the past year made to the British Museum (Natural History); to The Hon. Walter Rothschild, Tring, Herts; to Dr. L. Von Lorenz, Natural History Museum, Vienna (Cf. *Annalen des K.K. Naturhistorischen Hof-Museums, Wien*, Band XI., Heft I.); and to Dr. P. L. Selater, the Zoological Society, London; in each case consisting of birds.

(e) PRESENTS.

The number of gifts made to the Museum during the year has shown no falling off as compared with last year. Many of these are valuable and interesting specimens; but few are of outstanding importance. Mr. Ridyard, Chief Engineer of the S.S. "Niger" (of Elder, Dempster and Company), succeeded in bringing over from West Africa, on more

than one occasion, living specimens of the Electric Cat-fish (*Malapterurus electricus*), and presented them to the Museum. They have proved very attractive both to scientific men and to the general public. He also presented three specimens of a curious "jumping" or "walking" tropical fish (*Periophthalmus koslreuteri*), collected on the West Coast of Africa, which it is believed are the first living examples imported into Europe.

(f) EXCHANGES.

An exchange of duplicate specimens was made with the Weston Park Museum, Sheffield, against a series of ethnographical objects.

(g) ACQUISITIONS.

Invertebrates—

Hydrozoa. *Aurelia aurita*; *Pleurobrachia pileus*; *Alcyonium digitatum*; *Tubularia indivisa*; collected by the Director.

Echinoderms. Five-armed Star-fishes (*Asterias rubens*); *Solaster papposa*; *Porania pulvillus*; collected by the Director.

Mollusca. Two specimens of *Cymbium porcinum*, and one specimen of Cuttle-fish (*Ommastrephes*) from West Africa; presented by Mr. A. Ridyard.

Two specimens of the Sea-hare (*Aplysia punctata*), from Port Erin; collected by the Director.

Pholas crispata, three specimens from Hilbre Island.

Two specimens of *Lithodomus dactylis*, one of *Arca* (sp.), and one of *Conus* (sp.) (fossil) from Gozo Island, Malta; presented by Captain A. W. Twist.

Insects. A collection of Coleoptera from South Africa, presented by Dr. Percy Rendall. There are 126 specimens and upwards of 50 species in the collection, including such forms as *Trox lineatus*, *T. incultus*, *Hister nigritus*, and two other species, *Silpha* sp. and *Ateuchus infernalis*.

A collection of Lepidoptera and Orthoptera from Lagos, West Coast of Africa; presented by Dr. Rowland.

Goliath Beetle (*Goliathus giganteus*); presented by Dr. Bickerton.

Mygale avicularia from West Africa; presented by Mr. A. Ridyard.

Vertebrates—

Fishes. Three specimens of "Walking Fish" (*Periophthalmus koelreuteri*), alive; a number of African Mud-fish (*Protopterus annectans*), alive; a number of Electric Cat-fish (*Malapterurus electricus*), alive; six rostra of Saw-fish (*Pristis*); presented by Mr. A. Ridyard.

Eight Shark's Teeth (*Carcharias*), fossil, from Gozo Island, near Malta; collected and presented by Captain A. W. Twist.

Reptiles. Six living Terrapins (*Emys*), from Manos, River Amazon; presented by Mr. Zanzzì.

Japanese Salamander (*Megalobatrachus maximus*); purchased.

Four Young Crocodiles (*Mecistops cataphractus*), alive, from the West Coast of Africa; presented by Mr. A. Ridyard.

Two Young Crocodiles (*Mecistops cataphractus*), alive, from Grand Bassam, West Coast of Africa; presented by Mr. R. W. Wade.

Lizard (*Amphibolurus barbatus*), from Australia; purchased.

One Slab of Stone, with fossil footprints of *Rhynchosaurus* and other reptiles, from Storeton Quarry, Cheshire; purchased.

Birds. Heron (*Ardea cinerea*); presented by Mr. William Owen.

A collection of 26 Bird Skins, from South Africa; presented by Dr. Percy Rendall. The species are as follows:—

- 2 *Telephonus senegalus* ♂ ♂
- 2 *Macromya croceus* ♀ ♀
- 1 *Estrela dufrenoyi* ♂
- 1 *Emberiza flaviventris* ♂
- 2 *Dendropicus cardinalis* ♂ ♀
- 1 *Halcyon albiventris* ♂
- 2 *Cinnyris talatala* ♂ ♀
- 1 *Pratincola torquata* ♂
- 1 *Cisticola aberrans* ♂
- 1 *Prinia mystacea* ♂
- 1 *Tchitreia perspicillata* ♂
- 1 *Colius striatus* ♂
- 2 *Dryoscopus cubla* ♂ ♀
- 1 *Chalcopelia afra* ♂
- 1 *Turtur senegalensis* ♂
- 1 *Sphenæcus natalensis* ♂
- 1 *Prionops talacoma* ♀
- 1 *Pycnonotus lazaridi* ♀
- 1 *Centropus natalensis* ♀
- 1 *Crateropus jardinei* ♀
- 1 *Upupa africana* ♂

Two Fulmar Petrels (*Fulmarus glacialis*), shot on St. Kilda; presented by the Rev. H. A. Macpherson, Carlisle.

Hawfinch (*Coccothraustes vulgaris*), killed at Eccleston; presented by Mr. T. West.

Two Chaffinches (*Fringilla madeirensis*), ♂ and ♀ and two Goldcrests (*Regulus cristatus*), from Madeira; collected and presented by W. R. Ogilvie-Grant, Esq., British Museum.

Nest of Wren (*Troglodytes parvulus*); presented by Capt. B. H. Hughes.

Eight birds (*sp. indet*) in spirit, from Lagos, West Coast of Africa; presented by Dr. Rowland.

Piece of the bough of a tree, the bark peculiarly pierced by a species of Woodpecker, obtained near Halifax, Nova Scotia; presented by Capt. B. H. Hughes.

Sea-Eagle (*Haliaeetus albicilla*), juv., shot in Ince Hall Park, Blundellsands; presented by C. J. Weld-Blundell, Esq.

Ostrich (*Struthio camelus*); purchased; spirit specimen.

Bernicle Goose (*Branta leucopsis*); purchased.

Mammals. One Tree Porcupine (*Cercolabes prehensilis*); purchased.

Bones (fossil) of Long-faced Ox (*Bos longifrons*), associated with portions of a Human Skeleton, from Caerwys Quarry, Pwllgwyn, Wales; presented by Mr. Joseph Manger.

One American Bear (*Ursus americanus*), Skeleton and body; purchased.

One Seal (*Otaria gillespii*); purchased.

One Seal (foetal) (*Otaria sp.*); purchased.

Part of the Head with Antlers of Deer (*Cervus elephus*), found in the submerged forest on the Cheshire Shore; purchased.

A piece of tanned Walrus Skin; presented by Mr. C. Yare.

One Stoat (*Putorius hibernicus*), a recently described new species from Ireland; presented by Oldfield Thomas, Esq., British Museum.

One English Fox (*Canis vulpes*), skeleton; purchased.

One Tapir (*Tapirus americanus*); purchased.

One Hippopotamus (*Hippopotamus amphibius*), young, in spirit; purchased.

One Howler Monkey (*Mycetes sp.*) from Brazil; purchased.

One Yärke Monkey (*Pithecia monachus*); from South America; purchased.

One Talapoin Monkey (*Cercopithecus talapoin*), from West Africa; purchased.

One Chimpanzee (*Anthropopithecus niger* var *calvus*); purchased.

One Arctic Fox (*Canis lagopus*); purchased.

One Gorilla (*G. gorilla*) Skull from West Africa; presented by Mr. A. Ridyard.

GEOLOGICAL DEPARTMENT.

One Earthenware Mug, ornamented with dendritic markings of black oxide of manganese, artificially produced by affixing temporarily at different places round the mug, when in the biscuit stage of manufacture, small particles of clay, wet with manganese oxide charged water, which spreads in dendritic fashion, leaving markings closely resembling those seen on many rocks and ancient flints.

BOTANICAL DEPARTMENT.

A collection (containing upwards of 500 specimens) of dried plants of Lancashire and Cheshire; presented by Prof. R. J. Harvey Gibson, University College, Liverpool.

Segment of the trunk of the Sequoia Tree (*Sequoia gigantea*); presented by the Trustees of the British Museum.

THE AQUARIUM.

The Aquarium has, during the past year attracted larger numbers of the public than usual, owing to the special objects of interest, most of them tropical, that have been exhibited in the tanks. The mild weather that prevailed to the end of December has been very favourable to these delicate tropical fishes living in comfort and good health.

The following species have been exhibited alive during the year, those with an asterisk being alive at the date of this report:—

Loch Leven Trout * (*Salmo levenensis*); * Rainbow Trout (*Salmo irideus*), hatched in the Aquarium; Gold Carp * (*Cyprinus carpio*); Crucian Carp * (*Carassius carassius*); Tench * (*Tinca tinca*); Rudd * (*Leuciscus erythrophthalmus*); Minnow * (*Leuciscus phoxinus*); Roach * (*Leuciscus rutilus*); Pike * (*Esox leucius*); Perch * (*Perca fluviatilis*); Bass * (*Labrax lupus*). Walking Fish * (*Periophthalmus koelcuteri*). This is the first time that these fishes have been introduced alive into Europe.

They are interesting from their habit of spending a great deal of their time out of the water on the edge of the sea-shore in their natural state, and on the sides of the tank in captivity. Their peculiar prominent eyes, which are fitted to see better out of water than in it, at once attract attention. The Electric Cat-fish *(*Malapterurus electricus*). This most interesting species was brought over, at the cost of much care and trouble by Mr. Ridyard, from the Gaboon River in West Africa, his first consignment, arriving in the month of April. All his imports have thriven remarkably well, taking to their new home without any apparent ill-effects. The tanks in which they are confined are kept as uniformly as possible at a temperature of about 75 degrees Fahrenheit. They seem to be able, however, to stand, without apparent injury, a considerable variation in the temperature of the water above and below that point. They feed remarkably well on worms, small fishes, and pieces of boiled liver. A specimen, by permission of the Committee—their courtesy being acknowledged by the Council of that Society—was exhibited by Professor Gotch, F.R.S. and the Director at the *Conversazione* of the Royal Society in London, on the evening of the 1st May. Several hundred of the guests, including T.R.H. The Duke of Saxe-Coburg, The Duke of Teck, and Prince Alfred of Coburg, and many physiological and electrical authorities, received shocks singly or in parties. These shocks were delivered by the fish with little cessation during nearly four hours, without its exhibiting any marked symptoms of fatigue. By permission of the Committee a specimen was also shown by the Director at two *Conversaciones* of the British Association at Ipswich, where it attracted much attention by giving discharges for many hours to hundreds of persons as powerfully at the close as at the beginning of the evening. African Mud-fish *(*Protopterus annectans*). These fishes have now been living for nearly two years in the Aquarium, and are still in a very healthy condition. At one of the *Conversaciones* of the British Association at Ipswich, two specimens were, by permission of the Committee, exhibited and successfully liberated from the dry mud-balls in which they had been imported, and were then encased, in a dormant condition. On the clay-balls being dissolved down in tepid water, the fishes emerged in a very lively condition to the great interest of a large audience. Fresh Water or Rock Bass *(*Centrarchus aëneus*); Common Pond or American Sun-fish *(*Pomotis vulgaris*); Spotted Gunnel or Butter-fish

*(*Centronotus gunellus*); King Crab *(*Limulus polyphemus*); Sea Anemones: Plumose Anemone *(*Actinoloba dianthus*); Beadlet *(*Actinia mesembryanthemum*); *Cave-dwelling Anemone (*Sagartia troglodytes*); Parasitic Anemone *(*Sagartia parasitica*); *Opelet Anemone *(*Anthea cereus*). Five-armed Star-fish (*Uraster rubens*). Bullhead *(*Cottus bubalis*); Sole (*Solea vulgaris*); Plaice, *(*Pleuronectes platessa*); Lesser Weever, *(*Trachinus vipera*); Pogge *(*Agonus cataphractus*); Conger Eel *(*Conger vulgaris*); Common Toad *(*Bufo vulgaris*); Water Newt *(*Triton cristata*); Green Lizard *(*Lacerta viridis*); West African Crocodile *(*Mecistops cataphractus*); Spotted Salamander *(*Salamandra maculosa*) American Salamander *(*Amblystoma carolina*); Menopoma *(*Cryptobranchus alleghanyensis*). This specimen has now been alive in the Aquarium for fourteen years.

B.—MAYER MUSEUM.

The chief event of the year in this Museum has been the completion of the Ethnographical Gallery, which now occupies the basement rooms of the building. The gallery was opened on June the 19th by the Lord Mayor, who was accompanied by the Chairman of the Museum and Library Committee (Sir W. B. Forwood), the Chairman (Mr. W. H. Picton) and Members of the Museum Sub-Committee, as well as by a large number of the Aldermen and Councillors, and many prominent citizens. Since its opening it has been visited very largely, the general public evidently taking a greater interest in the objects on exhibition here than in many other sections of the Museums. Many Anthropologists have also inspected the collection, among whom may be mentioned Professor Haddon (of Dublin), Professor Rein (of Bonn), Professor Valdemar Schmidt (of Copenhagen), Professor Saville (of New York), and Mr. Arthur Evans (of the Ashmolean Museum, Oxford). The Assistant Curator, Mr. P. Entwistle, has been constantly employed in labelling specimens and in adding explanatory drawings and photographs, which add greatly to their interest and value. The addition of these photographs and drawings will be continued as rapidly as they can be obtained or made, till, as the Director hopes, there is no object which shall require other information for its elucidation than is found close to it.

(a) LOANS.

The following objects were, with the permission of the Committee, lent as follows :—

To the "Boot and Shoe Exhibition," held by the Cordwainers' Society, in London, in June, a selection of 17 objects of leatherwork, consisting of boots, shoes, drinking cups, caps, gloves, and dresses.

To the "Exhibition of Egyptian Art," held at the Burlington Fine Arts Club, in May, a selection of the smaller and more important objects in the Egyptian Gallery.

The small group of Franklin Relics, collected by Dr. David Walker during the voyage of the s.s. "Fox," to the "Franklin Commemoration Exhibition," held in June, in Edinburgh, by the Royal Scottish Geographical Society.

To the exhibition held by the "International Geographical Congress," in London, in July, Fergusson's Parallatic Rotula for finding the Longitude at Sea, and Hadley's Quadrant.

In July and August, a selection of thirty of the more important pieces of Wedgwood Ware, to the Committee of the Wedgwood Institute, Burslem, for exhibition at the Wedgwood Centenary Exhibition.

These were all duly returned safe and in good order, with the grateful thanks of the various Committees or Councils to whom they were lent.

The following photographs, taken by the Museum Staff, have been sent to the undermentioned investigators to assist in their studies, or in works on which they may be engaged :—

Of four Masks from New Ireland and New Britain, one from Darnley Island, Torres Straits, and two from West and Central Africa, to Dr. Leo. N. Frobenius, Dresden; of Anglo-Saxon Fibulæ and Pendant Ornaments, to Dr. Salin, Director of the National Museum, Stockholm; of the Four Faces of an ancient Egyptian Pyramidion, to Dr. Schmidt, Copenhagen; of eight pages of a Mexican Codex, to Señor F. del Paso y Troncoso, Director of the National Museum, Mexico; and of a late Celtic Cup, to Mr. Arthur Evans, Curator of the Ashmolean Museum, Oxford.

(b) ACQUISITIONS.

Mummy and Necklace of Seeds, Tail and Breast Feathers of Birds, from the Amazon River, Peru ; presented by Mr. James Glover.

Six "Poorah" Fetishes, from the Upper Mendi Country, Sierra Leone Protectorate, W. Africa ; presented by Mr. D. J. Evans.

Crescent-shaped Shield of Wood, from Uganda ; Spear, from Fiji Islands ; Spatula or Lime Spoon, from S.E. New Guinea ; Horn "Strigil" from Burmah ; Wooden Dancing Club, from New Ireland, Melanesia ; purchased.

Oval Enamel Badge, with Sadler transfer print ; purchased.

Saddle, made by natives of Nupé, West Africa ; presented by F. Radcliffe, Esq.

Carved Wooden Box, from New Zealand ; Iron Devil-Dancer's Trident ; Devil-Dancer's Trousers ; Sacred Sheet ; Two Devil-Dancer's Bangles ; Twenty-seven Metal Rings, from South India ; Bedouin Arab's Turban ; Cloth Dress (Mandingo), from Sierra Leone, W. Africa ; Wooden Milk Bowl (Hottentot), S. Africa ; Basalt Maize Pounder, Tahiti, Society Islands ; Gourd, W. Africa ; Musical Instrument, from West Africa ; Wooden Staff with Runic inscription ; Piece of Cloth, dyed light and dark blue, from the Gambia, West Africa ; Wooden frame for a Drum, from West Africa ; received from the Sheffield Public Museum in exchange.

Portion of the handle of a bronze Sistrum, late Ancient Egyptian work ; purchased.

Flint Implements, from Somali-land, North East Africa ; purchased.

New Guinea Dancing Mask ; Native Club from Santa Cruz, Melanesia ; purchased.

A Collection of 51 Ethnographical Objects, from West Africa ; collected and presented by Mr. A. Ridyard, Chief Engineer, s.s. "Niger." and consisting principally of :—

Musical Instruments.

Brass Bowls.

Slippers.

Fetish Figures.

Grass Bags.

Gourds.

A Weaving Machine.

Paddles.

Leather Work, &c.

Shell Armlet ; Pan's-pipes ; Long Spatula or Lime Spoon ; Combs ; Hand Fish Net ; two Wooden Dolls ; Specimen of Net Making ; Pearl Shells ; Elaborately-carved Wooden Axe Handle ; Stone Adzo Blade ; and Woman's Grass Dress, from Taupota, South East New Guinea ; purchased.

"Queyu," or Apron, from South America ; purchased.

Bamboo Quiver and Arrows, from South America ; purchased.

Mummy Hawk, from Luxor, Egypt ; presented on behalf of the late Mr. Morton Sparke, by Miss Sparke.

Plano de las ruinas de Cempoala ; eight prints of a Mexican Codex ; Catalogue Exposición Histórico Americana de Madrid, Para 1892 ; presented by Señor Francisco del Paso y Troncoso.

A collection of Ethnographical Objects, collected by the late Mr. Asahel Pilkington Bell, in Patagonia, and presented by the Misses Bell :—

- 1 Silver Bridle.
- 1 Belt, decorated with silver and glass beads.
- 1 Pair of Silver Spurs.
- 20 Silver Finger Rings of various forms.
- 16 Silver Pendant Ornaments.
- 51 Silver Ear-rings.
- 6 Silver Rings, from horse trappings.
- 10 Silver Figures of the God "Gualicho."
- 1 Silver Boss, from a horse bridle.
- 2 Silver Breast Ornaments.
- 1 Silver Bowl, the handles in form of birds.
- 2 Silver "Bombillas" and Silver-mounted Gourd.
- 7 Silver Harness Studs.
- 2 Leather Collars, ornamented with silver beads stitched on.
- 2 Silver Needles.
- 8 Silver Cloak Pins.
- 8 Silver and Glass Bead Cloak Pin Binders.
- 5 Silver Necklaces.
- 1 Silver Chain.
- 1 Wooden Saddle.
- 2 Woven Girdle Belts.
- 7 Woven Fillets for the hair, with coloured patterns.
- 7 Woollen Saddle Cloths, with woven designs.
- 1 Hide Lasso.

- 1 Bridle and Halter, used for re-captured horses.
- 1 Pair of Boots made from the hind legs of a cow.
- 1 Hide Whip.
- 1 Roll of Native-made Plaited Cord.
- 2 Bolas.
- 2 Wooden Whistles, used by the Indians of the Gran Chaco.
- 4 Feather Ear Ornaments, worn by the Indians of the Gran Chaco.
- 2 Stone Pounders.
- 3 "Bolas" Stones.
- 1 Stone Slab and two Circular Flat Stones, used for grinding paint.
- 2 Stone Implements.
- 1 Brown Terra-cotta Vase.
- 2 Shell Breast Ornaments.
- 10 Shell Earrings (various sizes), worn by the Indians of the Gran Chaco.
- 3 Cane "Bombillas."
- 1 European Spur.
- 1 Stone Pipe-head with European Clay Pipe stem.
- 126 Arrow-heads, Scrapers and Borers of various forms in flint, &c.
- 1 Primitive Indian Bowl.
- 1 Piece of Modern Pottery.
- 2 Small Gourds.

SCIENCE CABINETS FOR SCHOOLS.

These Cabinets, as in previous years, have been distributed in rotation to different Elementary Schools in the City, and also to the Training Colleges for Teachers at Edge Hill, and the College of the Notre Dame, Mount Pleasant. They were overhauled at the beginning of the year, and various improvements made in the character and arrangement of the specimens. The contents of each box were made as complete as possible, and labelled much more fully, the idea aimed at being to make each Cabinet illustrative of some important fact in nature or representative of allied groups of animals or plants. For instance, the specimens in the "Coal" Cabinets were previously named and arranged quite indiscriminately and with no fixed idea. They have now been re-arranged, new specimens added where required, and fully labelled so as to illustrate the vegetable origin of coal, tracing by means of specimens the gradual conversion of purely vegetable matter, first into peat, then into wood-coal or lignite, and so leading up to the true

mineral coals. Where on account of their rarity, or for other reasons, specimens which were necessary to illustrate important points, could not themselves be provided for the cabinets, photographic reproductions of them, mounted in a simple but effective way, have been introduced.

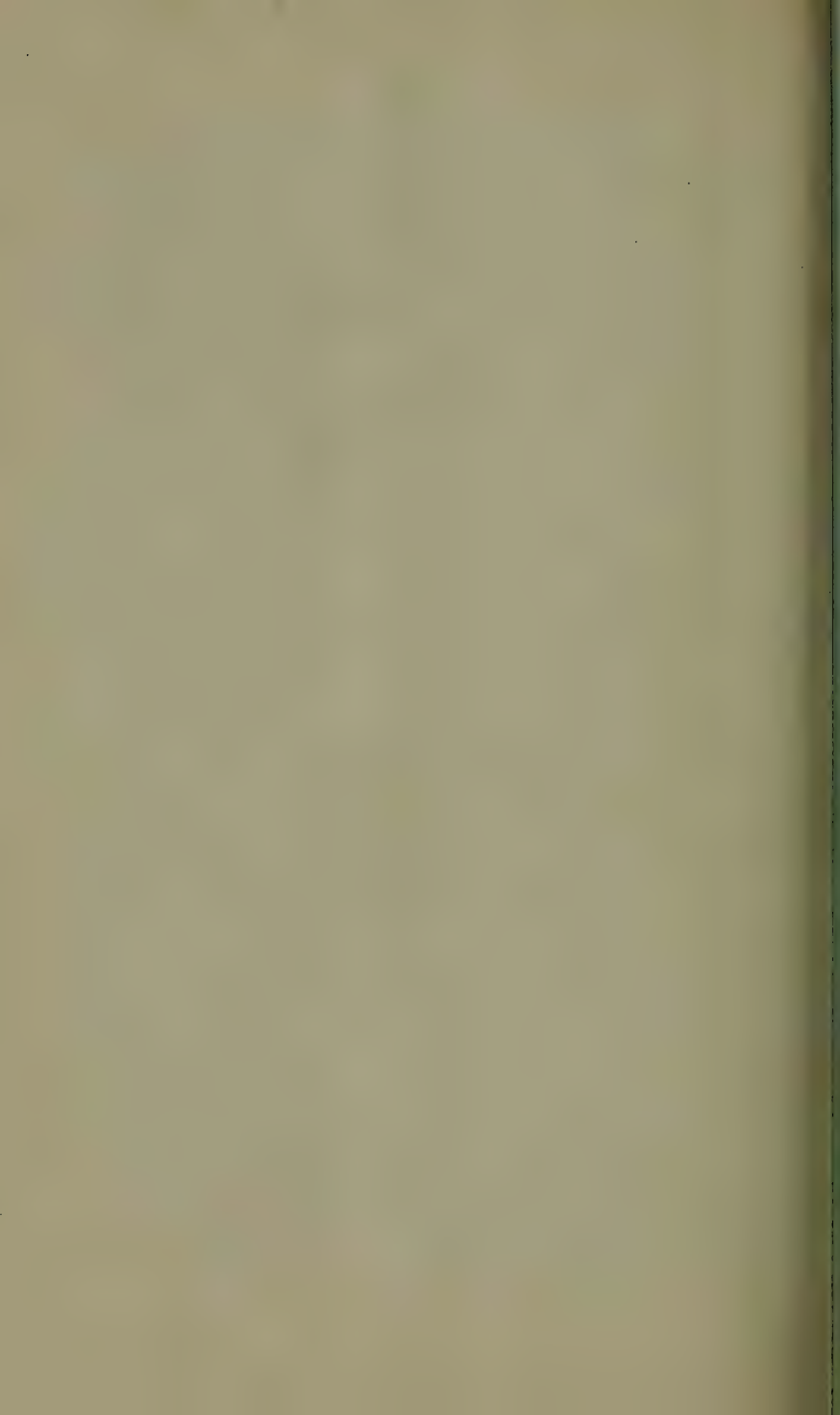
With the extension of the City boundaries, and the consequent inclusion of a large number of additional schools, the necessity for a larger number of Cabinets has arisen, but with this increase a new system of distribution will also become necessary.

HENRY O. FORBES,

DIRECTOR OF MUSEUMS.

PRESENTED





FORTY-FOURTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC MUSEUMS
OF THE
CITY OF LIVERPOOL,



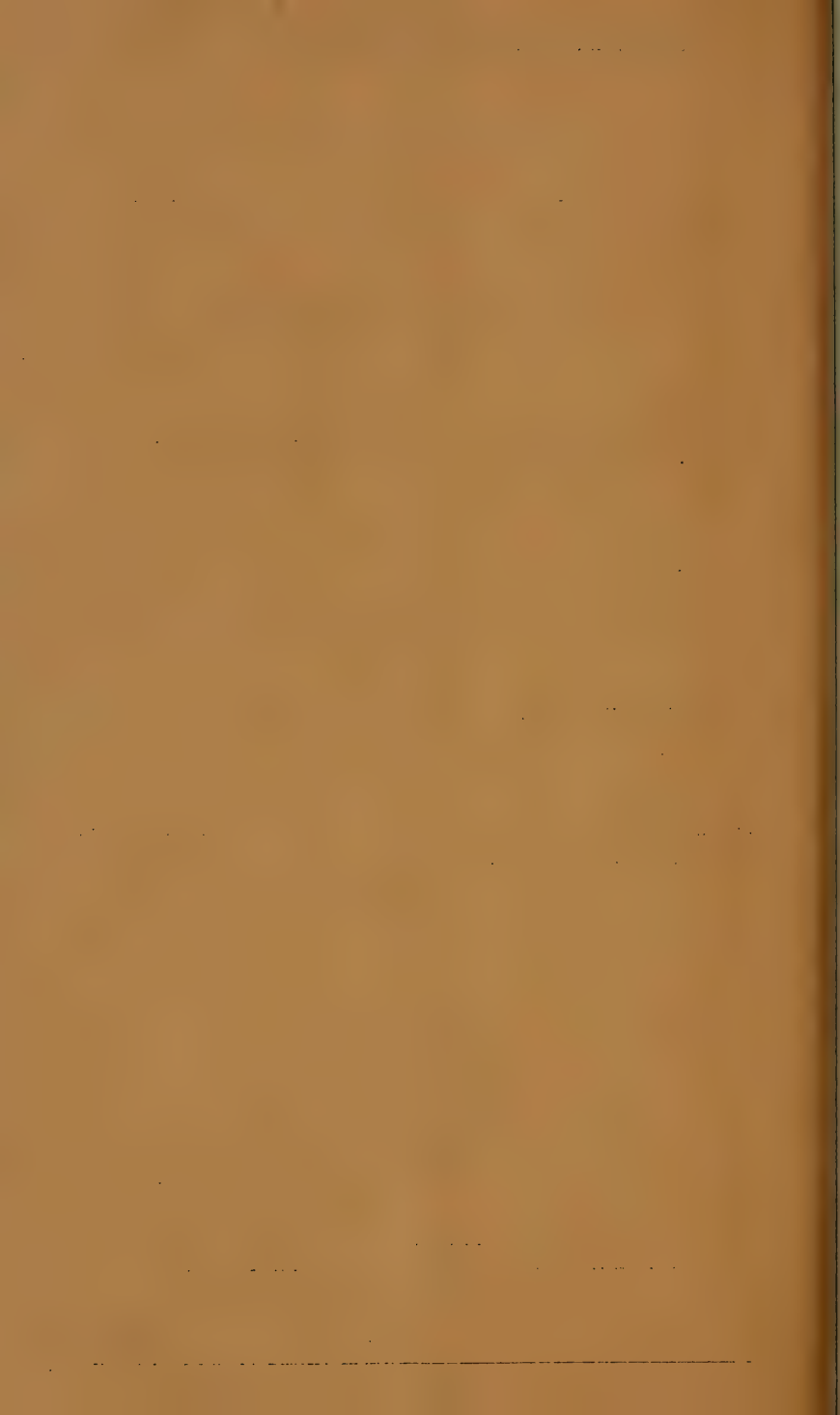
FOR THE YEAR ENDING 31ST DECEMBER, 1896.

*(Reprint of the General Report and of the Museums' portion only of the
Report of the Committee of the Free Public Library, Museums,
and Walker Art Gallery.)*



LIVERPOOL:
J. R. WILLIAMS & CO., PRINTERS, 8, SCHOOL LANE.

1897.







THE MUSEUMS.

THE LIBRARIES.

THE WALKER ART GALLERY.

MORRIS & SONS, LONDON.

FORTY-FOURTH
ANNUAL REPORT
OF THE COMMITTEE
OF THE
FREE PUBLIC MUSEUMS
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CITY OF LIVERPOOL,



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1897.

COMMITTEE AND OFFICERS

FOR THE YEARS 1896-7.

THE RIGHT HONOURABLE THOMAS HUGHES, LORD MAYOR.

Committee.

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FRANK J. LESLIE, ESQ.,	WILLIAM C. WILLIAMS, ESQ.,

WILLIAM E. WILLINK, ESQ., M.A., J.P.

Director of Museums:

HENRY O. FORBES, LL.D., F.R.G.S.

Assistant Curator of Derby Museum:

JOSEPH A. CLUBB, B.Sc.

Assistant Curator of Mayer Museum:

P. ENTWISTLE.

GENERAL REPORT.

The Departmental Reports, which are appended, set out in interesting detail the valuable work done by this group of institutions during the past year.

One of the most encouraging features is the steady growth of an intelligent appreciation and use of the facilities for education and self-improvement which are thus placed at the disposal of the public.

The opening of the Central Lending Library, a little more than twelve months ago, has proved a remarkable success, 195,449 volumes having been issued during the past year.

The magnificent new Library and Reading Rooms at Everton, which were opened on the 9th October last, have been nightly crowded, and, in the short time which has since elapsed, 92,733 volumes have been taken out by readers. In this Library we have one of the most perfect and best-equipped Public Libraries in the country.

The New Reading Room at Kensington is making progress, and will supply the additional accommodation so long needed.

Land has been secured in Parliament Street for the erection of a new South Library—the present Library being quite inadequate to meet the wants of the large population in this district.

There is a demand for Libraries in other parts of the City, and in due course of time a further extension of District Libraries will have to be contemplated. The Parliamentary obligation to establish Libraries in the added areas also presses for consideration, and during the ensuing year it is hoped that Libraries will be opened in Toxteth and Walton.

The establishment and maintenance of Lending Libraries is attended with considerable cost, and it will be impossible to meet all the demands which have been made out of the financial resources at present at the disposal of the Committee.

In the Museums we note, with much satisfaction, distinct progress. The acquisition of the Tristram Collection of Birds has greatly strengthened the Ornithological section, and the Museum can now, in this department, claim to be one of the most important in Europe. The re-arrangement of the Derby Collection on a modern and scientific basis has been actively proceeded with, and it is gratifying to note that the work of our Director and his Scientific Staff, in this direction, was greatly esteemed by the Scientific Members of the British Association.

In the Art Gallery there has been no abatement of public interest. The Autumn Exhibition of Pictures was of great excellence. A further extension of the space available for the Permanent Collection is urgently needed.

The Technical Instruction under charge of this Committee continues to grow in popular appreciation, and both in the attendance of students and the serious character of their work the results continue to be very gratifying.

WILLIAM B. FORWOOD,
CHAIRMAN.

THE MUSEUMS.

The Director of Museums furnishes the Forty-Fourth Annual Report upon the CONDUCT and PROGRESS of the Museums.

I.—GENERAL.

THE FREE PUBLIC MUSEUMS comprise (A) the DERBY MUSEUM, of which the nucleus was the collections bequeathed in 1851 to the City, by the Fourteenth Earl of Derby. It contains The *British Collections*, and the general *Zoological, Geological, Mineralogical* and *Botanical* Departments, besides which there is an *Aquarium*, containing both Fresh and Salt Water Animals; (B) THE MAYER MUSEUM, the larger part of which was collected and presented to the Corporation by Joseph Mayer, Esq., F.S.A. These collections are specially rich in (a) *Egyptian, Babylonian, and Assyrian Antiquities*; (b) *Mediæval European Ivories, Bronzes, and Illuminated Manuscripts*; (c) The unrivalled *Faussett Anglo-Saxon Collection*; (d) The *Mather Miniatures*; and (e) the very important *Pottery Collections*, conspicuously rich in Wedgwood and Old Liverpool Wares. Associated with this Museum, as belonging more nearly to the subjects illustrated by it, though not forming to any large extent part of the Mayer Bequest, are (f) the *Ethnographical Collections*, chiefly of barbaric races.

The building in which these collections are housed was erected at the cost of the late Sir William Brown, in October 1860.

The Exhibition Galleries are open free to the public, as under:—

During January, November, and December	...	from 10 to 4
„ February	... ..	„ 10 to 4-30
„ March and October	... ..	„ 10 to 5
„ April to September	... ..	„ 10 to 6
Also on Monday <i>Evenings</i> during January to	}	„ 7 to 10
March, and October to December		

The Museums are closed on Sundays and Fridays (except those of Whit and Easter Weeks) throughout the year, as well as on Christmas Day, and days of Public Fast and Thanksgiving.

II.—VISITORS.

During the year there has been a slight increase in the number of visitors to the Museums over that of the previous year, as shown by the following table, but it should be noted that the Museums were closed for three weeks prior to the meeting of the British Association:—

		1895.		1896.
		(264 Days)		(245 Days)
Total Visitors in the Year	... ..	308,987	...	298,516
Weekly Average	... ..	5,942	...	6,092
Daily Average	... ..	1,170	...	1,218

It may be of interest, for the sake of comparison, to point out that the attendance at the British Museum (Natural History) for 1895 was 446,737, or a daily average of about 1,436 persons; that is, a difference in favour of the National over the Liverpool Museum of 218 persons daily, which must be considered a not unsatisfactory attendance. The average daily attendance in the Museum of Science and Art in Edinburgh for 1895 was 2,073, and in Dublin 1,262. This year the attendances of schools that have taken advantage of the section in the Education Code, under which the time devoted to instruction imparted in Museums reckons as school attendance, has been well maintained. Such classes have visited the Museum on 24 occasions in order to receive lessons from the specimens on exhibition; while many parents have personally brought their children for the purpose of giving them special lessons.

Persons desirous of employing the Museums for the purpose of research, reference or sketching, can, on giving satisfactory references, obtain, by application to the Director, tickets enabling them to enter on Fridays, and affording them special facilities for study. A room is devoted to their accommodation, where particular objects of study may, with the approval of the Director, be brought for their convenience from the cases. Tickets were issued, as usual, during the year—chiefly to Artists and Students of Osteology and Dental Anatomy—who have made extensive use of the collections on the days the Museum is otherwise closed to the public.

The Museums were represented by the Director at the Museums' Association, which met in Glasgow. At the close of the session, a visit was paid to the City of Perth, by the members and associates to the then recently-opened Museum of the Natural History Society of

Perthshire, where many highly interesting and suggestive new features in Museum arrangement and fittings were seen and examined, under the guidance of the President of the Society (Mr. Henry Coates), and the Curator of the Museum (Mr. Rodgers).

The Director likewise represented the Museums at the Meeting of the British Association, held in Liverpool, in September, under the Presidency of Sir Joseph Lister, Bart. (now Lord Lister). Leave of absence was also given to the Assistants, to allow of their attending the Sectional Meetings.

On that occasion the Geological Section (Section C) met in the Small Lecture Theatre, adjoining the Geological Gallery of the Museum, under the Presidency of Mr. J. E. Marr, F.R.S. At the *Conversazione* on the evening of the 22nd September, in the affiliated Institutions, various interesting exhibitions were held. In Bird Gallery No. 4, Professor Oliver Lodge, F.R.S., gave a demonstration of the X Rays; in the Egyptian Gallery, Mr. Whittle showed Foucault's experiment demonstrating ocularly the rotation of the earth by a pendulum suspended from the roof of the Mayer Museum, improved by a mechanism devised by the exhibitor for accelerating its amplitude without disturbing the plane of its motion. In the Aquarium several Electric Fishes (*Malapterurus electricus*); a number of Mud Fishes (*Protopterus annectens*); an example of the Calabar Polypterus (*Calamoichthys calabaricus*); and a group of Walking Fishes (*Periophthalmus koelreuteri*) were on view. The two last exhibits attracted special attention from the ichthyologists attending the Association, on account of their rarity.

The Museums were open on twenty-six Monday evenings during the periods of January to March, and October to December, when the total attendances were 10,030, giving an average of 385 each evening, which is an increase on the previous year's attendance.

Among those who have visited the Museums for study, research, or special inspection, are the following:—

Rev. Canon Jessopp, D.D., Rev. Canon Tristram, D.D., F.R.S., Ernest Van den Broeck, Musée Royal de Histoire Naturelle, Bruxelles; Rear-Admiral Lowther, St. Leonards; Fleet Surgeon Palmer, R.N.; Herbert B. Adams, Johns Hopkins University, Baltimore, U.S.A.; E. J. Allen, Marine Biological Association, Plymouth; Professor A. B. Macallum, Toronto; Dr. Hjalmar Stolpe, Stockholm; Sir William

Dawson, K.C.M.G., F.R.S., Montreal ; John Fell, Ulverston ; Lt. Stanley S. Flower, Bangkok ; William Henry Goodyear, New York ; Dr. Percy Rendall, Nyassa Land, East African Protectorate ; W. S. Bruce, Ben Nevis Observatory ; Graf von Pfeil und Klein Ellguth, Berlin ; Captain Twist, Liverpool ; Henry Coates, F.R.S.E., Perth, N.B. ; Miss Holt, Liverpool ; Professor Struthers, F.R.S.E., Edinburgh ; Professor D'Arcy Thompson, Dundee ; Professor J. W. H. Trail, F.R.S., Aberdeen ; Professor J. W. Carr, Nottingham ; Sir W. Martin Conway, London ; Sir Henry H. Howorth, K.C.I.E., F.R.S., London ; Professor Rupert Jones, F.R.S., London ; Professor Miers, F.R.S., Oxford ; Professor Macalister, F.R.S., Cambridge ; J. L. Myres, Oxford ; R. McLachlan, F.R.S., Professor A. Newton, F.R.S., Cambridge ; C. H. Read, British Museum, London ; Clement Reid, Jermyn Street Museum, London ; Dr. Scharff, Museum of Science and Art, Dublin ; Dr. P. L. Sclater, F.R.S., Z S., London ; A. C. Seward, Cambridge ; Dr. R. H. Traquair, F.R.S., Edinburgh ; F. Crowley, Alton, Hants ; Dr. Gregory, British Museum ; J. J. Lister, Cambridge ; W. H. Seton-Karr, London ; Professor W. Ridgway, Cambridge ; R. M. Barrington, Bray.

III.—LECTURES.

Eighteen Lectures were delivered by members of the staff on Monday evenings in the Theatre of the Museum. They were illustrated by specimens from the Museum and by lantern slides. The total attendance at the Lectures was 3,372.

The following is a list of the subjects :—

A course of five Lectures on "The Pedigree and the Races of Mankind" was given by the Director of Museums.

Jan. 6th.— I. Introductory.

Jan. 13th.— II. "Palæolithic and Neolithic Man."

Jan. 20th.—III. "The Melanesians."

Jan. 27th.—IV. "The Mongolians."

Feb. 3rd.— V. "The Caucasians."

Feb. 10th. to March 9th.—A course of five lectures on "Life in the Museum Aquarium," by the Assistant Curator of the Derby Museum.

March 16th. to March 30th.—Three Lectures on "Pre-historic Man," by the Assistant Curator of the Mayer Museum.

The following Lectures were delivered by the Assistant Curator of the Derby Museum :—

Nov. 2nd.—“Recent re-arrangements in the Museum.”

Nov. 9th.—“On the Aquatic Mammalia.” I. “Walruses and Seals.”

Nov. 16th.—II. “Earless Seals.”

Nov. 23rd.—III. “Whales and their Allies.”

Nov. 30th.—IV. “Sea Cows.”

A. DERBY MUSEUM.

THE ENTRANCE HALL AND GALLERIES.

(BRITISH COLLECTIONS.)

Early in the year the new cases (ordered at the close of the previous year) for the ground floor of the Entrance Hall having been erected, and those in the galleries re-fitted and re-coloured, the arrangement in them of the British Collections was assiduously proceeded with, and by working late, and employing extra assistance, was completed before the meeting of the British Association.

The ground floor has been reserved for the Invertebrate series, and the galleries for the Chordata. Although the collections are far from being complete even in any single Order, a very good beginning has been made, and almost every day, since they were opened to the public, has seen additions made to them. Our more pressing desiderata are some of the commonest objects of our coasts and fields. It is to be hoped that all friends of the Museum, especially all local collectors, into whose hands this Report may come, will, when opportunity occurs, kindly aid in filling up our various gaps, by forwarding freshly-collected specimens to the Director. It affords the Director great satisfaction to record that this first attempt to bring together in the Museum a British Collection has, if one may judge from the number of visitors and students constantly seen consulting it, been much appreciated.

The fossil remains of extinct species of the various Orders, which have, following a long-adopted but very illogical arrangement, been hitherto exhibited in a different gallery from their relations, the recent forms, will, it is hoped, during the coming year, be incorporated in the same cases with the latter, forming one connected series. It is intended, also, to utilise the balustrade cases in the gallery of the Entrance Hall, which

will be available after the distribution of the Palæontological Series as just indicated, for the display of a well-selected series of British Flowering Plants and illustrations of the Forest Trees of the country, with specimens of their fruit and wood.

ZOOLOGICAL DEPARTMENT.

(a) GENERAL.

During the past year a re-arrangement of the staff took place which enabled the Committee to increase, by an additional member, the scientific assistants in the Derby Museum. The appointment was given to Mr. William S. Laverock, M.A., B.Sc., a distinguished graduate of Aberdeen University, then one of the assistants to Dr. Alleyne Nicholson, Professor of Natural History, and previously an assistant to Dr. J. Trail, F.R.S., Professor of Botany in the same University.

By the superannuation of the Caretaker of the Buildings, a post which it had become unnecessary to re-fill, several rooms in the basement were vacated. Two of these, having a good aspect, have now been temporarily fitted up as Laboratories, one for the Director's personal use, and the other for his Zoological Assistants. Thus has been provided, though still inadequately, some of the much-needed accommodation requisite for research work and the preparation of specimens for exhibition.

In November Mr. Herbert Robinson, who has devoted much attention to Ornithology, kindly offered his services in assisting to catalogue the Bird Collection in the Museum. As this was work urgently requiring to be done, Mr. Robinson's services were gratefully accepted, and some progress was made by him, during the month of December, towards this much-desired end.

By far the most important event in the history of the collections, during the year, has been the acquisition by purchase of the TRISTRAM COLLECTION OF BIRDS. This is an historical Collection, long recognised among Ornithologists as one of the first importance. It was, if not the last, almost the last, of the great undispersed private collections which were amassed by wealthy cultivators of this Science in England during the past half century or more, nearly every one of which has now become incorporated in the National Museum of Natural History at South Kensington, either by gift or by purchase. No such general collections are now being made. Ornithologists as a rule now restrict themselves—

owing to the magnitude of the subject—to collecting and studying the birds of one, or even part of one, region, or the species of a single family or of a few families at most. One of the earliest and most important of such general collections was brought together at Knowsley by the 14th Lord Derby who, by bequeathing it to the City of Liverpool, laid the foundation of our Museum.

Our new acquisition was formed by Henry Baker Tristram, D.D., LL.D., F.R.S., Canon of Durham Cathedral, its foundation dating from the year 1844, when, an undergraduate, he began to collect British and European Birds. Having soon after that year accepted an official post in Bermuda, he devoted his leisure to collecting the birds of the West Indian Islands, whose number, in future years, he succeeded in perfecting to a remarkable degree. Visits to North America followed, which resulted in large additions of the avi-fauna of that region being amassed. As is widely known, Canon Tristram has, at various periods of his life, paid extended visits to Palestine and Syria, as well as to the countries of Northern Africa on the Mediterranean Littoral, to the Sahara Desert, the Canary Islands and to Madeira, for the purpose of increasing his collection. Accordingly the birds of all these regions are well represented in it. In every case the birds he described and figured in his various works, in the *Ibis* (the chief Ornithological journal in England) or in the *Proceedings* of the Zoological Society of London, were retained in his own cabinet, and these types thus add to the intrinsic as well as the historical interest of his collection.

During a visit paid at a later period to Japan, Dr. Tristram obtained a large series of rare and interesting species of Eastern Palæarctic Birds, and on his way through America he lost no opportunity of acquiring species from that region still desiderata in his cabinets. Besides his personal contributions to his collection, Dr. Tristram has maintained, throughout his life, an extensive correspondence with naturalists, travellers, missionaries, consuls and officers of her Majesty's Army and Navy, in most quarters of the globe, many of whom he was the means of inspiring with some of his own love of Ornithology, inducing them to collect and investigate the bird life of many little-visited regions, and send home the fruits of their investigations. Through these agents, by exchange, purchase, or gift, the Tristram Museum obtained annually large

accessions. Special attention was given by the Canon to the birds of the Oceanic Islands, chiefly of the Pacific and Indian Oceans, and the collection—which is specially rich in this department—has been, as he himself has remarked, “most valuable in the study of types under changed conditions and especially in isolation.” There are, in the collection, specimens of a number of species now extinct, and so rare that but very few museums anywhere possess examples. Of these may be mentioned the Labrador Duck (*Camptolæmus labradoricus*) already represented, however, in our Knowsley Collection; the Norfolk Island Parrot (*Nestor productus*), previously in the same Collection, but given away in exchange; the Raratongan Flycatcher (*Monarcha dimidiata*); and a number of bones of the Great Auk (*Alca impennis*).

The Tristram Collection contains contributions from the following naturalists, explorers and travellers:—

A. L. Adams, d'Albertis, A. Anderson, C. J. Andersson, Audebert, Beavan, Sir E. Belcher, Bernstein, Biddulph, Blakiston, Blanford, E. Blyth, Boie, Brehm, W. E. Brooks, Bryant, Sir W. Buller, du Chaillu, Coues, Dall, Danford, Charles Darwin, Père David, Dresser, Elwes, Emin Pasha, Eversman, Everett, Eyton, Fielden, O. Finsch, H. O. Forbes, Frazer, Gütke, Giglioli, Godman, J. H. Gurney, Sen. and Junr., Gould, Sir J. von Haast, Habel, Hancock, Harting, Hartlaub, Sir J. Hector, von Heuglin, G. Henderson, Brian Hodgson, Hose, A. Hume, Sir H. H. Johnston, Sir W. Jardine, Jerdon, Jesse, Sir J. Kirk, Kleinsmidt, Krüper, Kubary, E. L. Layard, Legge, Lord Lilford, J. J. Lister, Mandelli, W. T. Marsh, J. Motley, Professor A. Newton, Sir E. Newton, E. W. Oates, Petherick, Prjevalsky, Rädde, Wardlaw-Ramsay, Dr. P. Rendall, G. E. Richards, Ridgway, Rüppell, Salvadori, O. Salvin, H. Saunders, St. John, Schlegel, Selater, H. Seeböhm, Severtzof, Captain G. E. Shelley, P. J. Selby, Sir A. Smith, R. Swinhoe, Stolitzka, Theobald, the Marquis Tweeddale, Ussher, Van Dam, J. Verreaux, A. R. Wallace, Lord Walsingham, Wheelwright, Whitmee, Whitehead, Wimberley, Woodford.

The Tristram Collection is poorer in South American Birds than in those of any other region. In the birds of that region, however, the famous Collection of the Fourteenth Earl of Derby, presented to the Museum in 1851, is singularly rich, so that the two collections supplement each other in a most unexpected manner, and it will be found that the

entire collection of birds belonging to the Corporation, when the general catalogue, now in progress, has been completed, is second only to that in the British Museum. What the number of species and specimens in the Derby Collection may be, it is impossible as yet to predict, as no catalogue at all approaching completeness exists; but it is well known to contain a very large number of specimens of perhaps even greater historical interest than the Tristram, as they were obtained in the great voyages of the end of the last century. So far as the catalogue has progressed, there are indications that a number of untraced types and historical specimens will be found buried in the Derby Cabinets.

The specimens in the Tristram Collection exceed 20,000, representing more than 6,000 species, and of these over 150 are type specimens.

(b) ARRANGEMENT.

The re-arrangement of the Zoological Collections in the room which (when the proposed extension of the Museums is completed) will be the commencement of the continuous Gallery destined to contain the Vertebrates, has been now nearly completed. This room is devoted to Man and the Simian Anthropeida, viz. :—the Chimpanzees, the Gorillas, the Orang-utans, and the Gibbons. The new series of skulls, casts, and photographic enlargements, illustrating the various races of mankind—the Caucasian, the Mongolian, and the Melanesian—has been remarkably popular, and this section will be further extended whenever opportunity offers. Advantage is also taken of opportunities of obtaining photographs direct from life from natives of the various countries who come to the Port of Liverpool. No such collection as this, it is believed, exists in any other Museum. The Anthropoids are represented as yet chiefly by mounted specimens; the comparative preparations of their osteology and internal anatomy are not yet ready for exhibition.

In the Invertebrate Galleries it has been impossible to undertake any very special re-arrangement. Several of the groups of the Insecta have been replaced in new drawers, and re-arranged by the Zoological Assistants, by whom also the numerous species added to the Museum during the year, both of Vertebrates and Invertebrates have been determined and catalogued. Many Spirit and Formal preparations have, in addition, been made by them for the various exhibition galleries.

A commencement has been made also with the General Catalogue of the Derby Museum on the Card-system. The cataloguing and registering of the Bird Collection is proceeding *pari passu* with the naming and labelling of the specimens. The *Anthropoidea* and *Cetacea* have also been catalogued.

(c) CONSERVATION.

The usual work of conservation has been continued throughout the year. The examination of the Spirit Collections—chiefly of Invertebrata—long stored in the Spirit Room, referred to in the last Report, has been continued, and the preservative fluid in which they were kept, restored. The arranging of them into groups has also been continued; but a considerable time must elapse before this work can be completed.

The whole of the Collections have been periodically examined, dusted, and kept free from moth and other pests.

A large number, principally of skins of Birds, has been relaxed and placed in the Study Collection.

Numerous specimens of various Vertebrate groups have, as during last year, been placed in Spirit or Formal for future histological use, or for making preparations in illustration of exhibited specimens.

A number of Marine Invertebrates were, during this summer, again obtained at Port Erin and placed in Formal of various strengths, to try the efficacy of this new preservative for Museum purposes. The specimens of Hydrozoa, Mollusca and Fishes experimented upon have, in particular, been successfully preserved, with the retention of the life-like condition of their tissues; but most of them still, in time, lose their natural colour, though far more slowly than when placed in spirit.

(d) LOANS.

Several species of Sandwich Island Birds were lent to the Hon. Walter Rothschild for study at his Museum at Tring, Herts.

(e) PRESENTS.

The number of gifts made to the Museum during the year has shown no falling off as compared with last year. Many of these are valuable and interesting specimens; but few are of outstanding importance. Mr. Ridyard, Chief Engineer of the S.S. "Niger," one of Messrs. Elder, Dempster and

Company's fleet, has this year again succeeded in bringing over, from West Africa, on frequent occasions, living specimens of the Electric Cat-fish (*Malapterurus electricus*), and has presented them to the Museum. They have proved very attractive, both to scientific men and to the general public. He also brought over and presented additional specimens of the "Walking-fish" (*Periophthalmus koelreuteri*), collected on the West Coast of Africa. He was successful besides in conveying alive to the Aquarium the interesting Ganoid (*Calamoichthys calabaricus*).

(f) EXCHANGES.

Certain living duplicates of animals in the Aquarium were sent to the Montreal Museum in exchange for desiderata (not yet arrived), in our Museum; a series of Marine Invertebrates (see list of acquisitions) was received from Professor D'Arcy Thompson, University College, Dundee, to be exchanged for other marine animals.

(g) ACQUISITIONS.

INVERTEBRATES—

Protozoa.

Noctiluca miliaris; purchased.

Collection of Foraminifera; presented by Mr. F. Gordon Pearcey:—*Hyperammina arborescens*, *Operculina complanata*, *Orbitolites luciniata*, *O. complanata*, *Pelosina variabilis*, *Astrorhiza limicola*, *A. catenata*, *Carpenteria gigantea*, and a series of Foraminiferal deposits.

Porifera. (Sponges.)

Halisarca dujardini; *Spongelia fragilis*; *Tethya lyncurium*; *Stelletta collingsi*; purchased.

Coelenterata. (Zoophytes, Sea Anemones, etc.)

Coryne vaginata, *Gonothyra loveni*, *Plumularia similis*, Medusoids of *Sync ryne*, *Lucernaria octoradiata*, *Anemone sulcata*, *Peachia triphylla*; purchased.

Echinoderma. (Starfishes, etc.)

Myriotrochus rinkii and *Antedon eschrichtii*; received in exchange. *Synapta inhærens*; purchased.

Vermes. (Worms.)

Taenia serrata, *T. cucumarina*; received in exchange.

Cerebratulus marginatus, *Polynoe glabra*, *Sigalion boa*, *Nereis cultrifera*, and the *Heteronereis* form, *Nephythys cava*, *Glycera dubia*, *Marphysa sanguinea*, *Phyllodoce laminosa*, *Chaetopterus variopedatus*, *Cirratulus serratus*, *Clymene lumbricalis*, and *Sagitta bipunctata*; purchased.

Thalassema neptuni and *Phaseolosoma* sp.; purchased.

Pedicellina echinata and *Aleyonidium papillatum*; purchased.

Sagitta sp. large; presented by Mr. F. Gordon Pearcey.

Arthropoda.

Crustacea (Crabs, Lobsters, etc.).

The following have been received in exchange:—

Hippolyte grønlandica, *H. macilentæ*, *H. polaris*, *H. phippisii*, *Cyamus nodosus*, *C. monodontis*, *C. ceti*, *C. mysteriti*, *Paradiceros lynceus*, *Hoplonyx cicada*, *Atylus carinatus*, *Anonyx nugax*, *Arcturus baffini*, var. *tuberosus*, *Stegocephalus inflatus*, *Murmopsis typica*, *Aegina spinosissima*, *Branchinecta paludosa*, *Mysis oculata*, *Nyctiphanes norvegica*, *Boreophausia raschii*, *Glyptonotus sabini*, *Onesimus edwardsi*, *Artemia fertilis*, *Chaetonymphon hirtipes*.

Gelasimus vocans and *Mictyres longicarpus*; purchased.

Typical series of British Amphipods (six species); purchased.

Typical series of British Isopods (six species); purchased.

Pasipheea, sp., *Nebalia bipes*, *Nymphon*, sp., *Pycnogonum littorale*; purchased.

Tracheata. (Insects, Spiders, &c.)

Collection of Indian Insects; presented by Mr. H. W. Winstanley, consisting of over 500 specimens, containing about 100 species. The following are the species identified:—

Lepidoptera:—*Hebomoia glaucippe*; *Cyrestis thyodamus*; *Dalchini tereon*; *Cirrochroa lanka* (?); *Cethosia cyane*; *C. biblis*; *Papilio cloanthus*; *P. pandarus*; *P. paris*; *P. chaon*; *P. astorion*; *Zetites telephus*; *Z. agamemnon*; *Salatura genutia*; *Terias hecabe*; *T. nepa*; *Haridra desa*; *Haridra* sp.; *Rakinda sinuata*; *Curetis thetis*; *Thecla* sp.; *Ixias cingalensis* ♂; *Eulepis athamas*; *Limenitis cingalensis*; *L.* sp.; *Epistime nigripennis*; *Adolias nicia*; *Gonepteryx verhuellii*; *Catopsilia catilla* ♂; *Hipocritia narendra* ♂; *Potamis ambica*; *Athyma cama*; *Stictoplaea hopei* ♂ and ♀; *Isamia splendens*; *Murwareda eudamippus*; *Apatura bolina* ♂; *Tirumala septentrionis*; *Pieris thestylis*; *P. pasithoe*; *Nilasera pirama*; *Charus helenus*; *Parantica aglea*; *Euripus*

halitherus; *Doleschallia bisaltide*; *Kallima inachus*; *Ornithoptera hiliakon*?; *Deilephila* sp.

Coleoptera:—*Euchirus macleayi* ♂; *Catoxantha gigantea*; *Chrysochroa fulgida*; *Trigonophorus nepalensis* ♂ and ♀; *Mimela horsfieldii*; *Calandra serrirostris*?; *Mylabris cichorii*?

Orthoptera:—*Gryllotalpa* sp.

Hemiptera:—*Raphigaster incarnatus*.

Collection of South Sea Island Insects, &c., consisting of about 150 specimens; purchased. The following have been identified:—

Lepidoptera:—*Nymphalis bolina*; *Pieris* sp.; *Pieris* sp.; *Papilio* sp.; *Papilio* sp.; and four Cocoons.

Coleoptera:—*Platycorynus cyaneus*; *Temognatha variabilis*; *Coccinella* sp.; *Chrysodema* sp.; *Schizorhina australasiae*; *S. punctata*; *Schizorhina* sp.; *Scarites schroeteri*; *Lamprima aurata*; *Catadromus lacordairii*; *Dynastes gideon*.

Orthoptera:—*Acrydium peregrinum*; *A. migratorium*; *Ephippitytha maculata*; *Phasma jamaicensis*; *P. physicum*; *P. gigas*; *P. reinwardti*; *Mantis* sp. and Cocoon; *Truxalis nasutus*; *Mantispa pagana*.

Hemiptera:—*Cicada saecata*; *Cystosoma saundersi*; *Lygaeus koenigii*; *Edessa* sp.; *Belostoma grande*.

Hymenoptera:—*Ophion* sp., Ants, and Nests of Wasps.

Myriapoda:—*Scolopendra* sp.

Arachnida:—*Buthus caesar*, and two Spiders.

Moth and Cocoons from Brazil; presented by Messrs. Gunston & Sons, per Mr. E. Edmondson.

Moth found in an Ash log, imported from Virginia, U.S.A.; presented by Mr. Joseph Owen.

Five-plumed Moth (*Pterophorus pentadactylus*); presented by A. Commins, Esq., LL.D., M.P., Liverpool.

Spider (*Ocypte* sp.); presented by Mr. Harford.

Spider (*Ocypte* sp.), from the Botanic Gardens; presented by Mr. J. Richardson.

Five Lantern-flies (*Fulgora laternaria*) from Peru; presented by Captain Good, S.S. Huasacar.

Saw-fly (*Uroceros gigas*); presented by Mr. E. Samuelson.

Centipede (*Scolopendra* sp.); presented by Mr. W. H. Bell.

Goliath Beetle (*Goliathus giganteus* ♂ and ♀), and the Rock Scorpion (*Buthus afer*), from West Africa; presented by Mr. A. Ridyard.

Three Australian Butterflies (*Ornithoptera cassandra*) and one Moth (*Eustychema mars*); presented by Mr. H. C. Robinson.

Mollusca.

Clio borealis, received in exchange.

Buccinum undatum, *Sepia officinalis*, *Sepiola rondeletti* and *Loligo media*; purchased.

CHORDATES.—

Hemichordata.

Balanoglossus salmoneus; purchased.

Fishes.

One thousand Ova of *Salmo levenensis*; purchased for the Aquarium.

Flying Fish (*Exocoetus evolvans*), with parasites of *Penella* sp., and *Lepis* sp., attached; presented by Capt. P. S. Hearn.

Several specimens of the African Mud-fish (*Protopterus annectens*) in mud; presented by Mr. A. Ridyard.

Two Lampreys (*Petromyzon marinus*), living; presented by Mr. G. H. Stewart.

Four Electric Cat-fish (*Malapterurus electricus*), living, and a large one in spirit: presented by Mr. A. Ridyard.

Eighteen Walking Fish (*Periophthalmus koelreuteri*), living and in spirit; presented by Mr. A. Ridyard.

Tetrodon sp., *Ostracion* sp., and *Hippocampus* sp.; purchased.

Large Carp (*Cyprinus carpio*), from Prenton, Cheshire; presented by Mr. G. Barker, Oxtou.

Calabar Polypterus (*Calamoichthys calabaricus*), living; presented by Mr. A. Ridyard.

Spinous Shark (*Echinorhinus spinosus*), from Bantry Bay; presented by Messrs. Harley and Miller.

Stone Loach (*Nemacheilus barbatula*); purchased for the Aquarium.

North American Cat-fish (*Amiurus* sp.); purchased for the Aquarium.

Amphibians.

Crested Newt (*Molge cristata* ♂ and ♀); Common Newt (*Molge vulgaris*, ♂ and ♀); Palmated Newt (*Molge palmata*, ♂ and ♀); presented by the Trustees of the British Museum.

Two specimens of Indian Frog (*Rana tigrina*); presented by Mr. R. Entwistle.

Mexican Axolotls (*Axolotl tigrinum*); purchased for the Aquarium.

Green Tree-frogs (*Hyla arborea*); purchased for the Aquarium.

Spotted Salamanders (*Salamandra maculosa*); purchased for the Aquarium.

Italian Toads (*Bufo vulgaris*); purchased for the Aquarium.

Reptiles.

Crocodile, living, (*C. acutus*) from Panama; presented by Mr. E. K. Gillespie.

Two Young Crocodiles (*Mecistops cataphractus*) from West Africa, living; presented by Mr. A. Ridyard.

Two Skinks (*Scincus officinalis*); presented by Mr. W. Cross.

Two Geckos (*Tarentola mauritanica*); presented by Mr. W. Cross.

Snake (*Distira viperina*); presented by Mr. A. Young.

Six Snakes from Iquitos, Peru; presented by Captain Good, S.S. Huasacar.

British Adder (*Pelias berus*); presented by Mr. P. Eutwistle.

Skull of Stumpy-nosed Crocodile (*Osteolemus tetraspis*) from West Africa; presented by Mr. Sydney J. B. Toby.

Chameleon (*Chamæleon oweni*) and six Lizards (*Agama colonorum*); presented by Mr. A. Ridyard.

Rough-keeled Snake (*Dasypeltis scabra*) from South Africa; presented by the Zoological Society, London.

Cast of *Sphenodon punctatus* of New Zealand; presented by Professor Ray Lankester, Oxford University.

Snake; presented by Dr. T. H. Bickerton.

Skink (*Lygosoma verreauxi*); purchased.

Two Lizards (*Varanus goldii*); purchased.

European Pond Tortoises (*Emys orbicularis*); purchased for the Aquarium.

Green Lizards (*Lacerta viridis*); purchased for the Aquarium.

English Ringed Snakes (*Tropidonotus natrix*); purchased for the Aquarium.

Birds.

Short-eared Owl (*Asio accipitrinus*) ♂, shot at Eccleston; presented by Mr. Thomas West.

Emu (*Dromæus novæ-hollandiæ*); purchased.

Abnormally Coloured Egg of the Domestic Fowl ; presented by Mr. F. P. Marrat.

Photographs of various species of Birds and their Nests, taken by Mr. R. Welch ; purchased.

Dabchick (*Podiceps fluvialis*) from Caithness ; presented by J. B. Marsden-Smedley, Esq., J.P., Lea-bridge, nr. Derby.

Nest of Sugar Bird ; presented by Mr. A. K. Lane.

Chough (*Pyrrhocorax graculus*), from Ireland ; purchased.

A young Golden Eagle (*'quila chrysaetus*) from Greece, living ; presented by the Cunard Steamship Company.

Pheasant (*Phasianus colchicus*), with a pair of supernumerary wings ; presented by Col. Turner, Clitheroe, per Dr. T. H. Bickerton.

Eider Duck (*Somateria mollissima*) ♂ ; presented by Mr. J. Fleming Stark, per Mr. R. M. Adam, New Ferry.

THE TRISTRAM COLLECTION, consisting of over 6,000 species belonging to all orders, and 20,000 specimens (of which over 150 are types of species) ; purchased. [A privately printed Catalogue, with a series of letters and pamphlets relating to the Tristram collection, was acquired along with the collection. A General Catalogue of the Birds in the Museum is at present in course of preparation.]

A small collection, made in North Queensland and presented by Herbert C. Robinson, Esq., Aigburth, consisting of—

3 *Chlamydodera nuchalis*.

2 *Oriolus viridis*, adult and young.

1 *Ptilopus swainsoni* ♂

1 *Ptilotis* sp.

Mammals.

Common Porpoise (*Phocæna communis*) ; purchased.

Jaw-bone (left ramus) of a Whale ; presented by Messrs. Duncan, Son and Co.

Arabian Gazelle (*Gazella arabica*) ; presented by Mr. W. Cross.

Two Young Indian Antelopes (*Antelope cervicapra*) ; presented by Mr. Rowland Ward.

Goat (*Gen. et sp. indet.*) from Thibet ; purchased.

Tusk of Elephant from West Africa, and *Dendrohyrax dorsalis* from West Africa ; presented by Mr. A. Ridyard.

Casts of Right and Left Rami of *Amphitherium prevosti*, and cast of the

type specimen of the lower jaw of *A. oweni*, from the Stonesfield Slate ; presented by Professor Ray Lankester, Oxford University.

Wild Cat (*Felis catus*) ; purchased.

Japanese Badger (*Meles anakuma*) ; purchased.

Austrian Otter (*Lutra vulgaris*) ; purchased.

Black Rat (*Mus rattus*), living ; presented by Mr. D. J. Howell.

Egyptian Gerbil (*Gerbillus egyptius*) ; presented by Mr. W. Cross.

Tailed Fox Bat (*Xantharpyia* sp.) ; purchased.

Chacma Baboon (*Cynocephalus porcarius*) ; and Anubis Baboon (*C. anubis*) ; purchased.

Chimpanzee (*Anthropopithecus niger*) ; purchased.

Adult Chimpanzee Skull and Bones (*Anthropopithecus niger*) ; and Skull and Bones of Gorilla (*G. gorilla*) ; presented by Mr. Sydney J. B. Toby.

Two Patas Monkeys (*Cercopithecus patas*) from West Africa ; purchased.

Two Young Gorillas (*G. gorilla*) ; presented by Mr. A. Ridyard.

Four Human Skulls from Truxillo, Peru ; purchased

Inca Skull from a tomb at Chimbote, Peru ; presented by Mr. Martarell.

Casts of the Neanderthal and the Engis Skulls, and of the Cranium of the Hottentot Venus ; a Patagonian Skull ; and the bust of a North American Indian ; purchased.

MINERALOGICAL AND GEOLOGICAL DEPARTMENT.

The following are the acquisitions in this Department :—

Two specimens of Molybdenite ; presented by Mr. Alex. Sparrow.

Piece of silicified wood from Brazil ; presented by Mr. J. A. Dean.

Collection of Minerals ; presented by Mr. M. L. Crawford, as follows :—

Crystallized Quartz, Prehnite, Dog-tooth Spar, Plumbo-calcite (new form), Octahedral Galenite, Pectolite, Galenite in Quartz, Purple Fluor, Fine Crystals of Blende, Pearly Quartz and Galenite, Carbonate of Lead, with Galenite, Quartz with Soapstone, Pearl Spar, Fortification Agate, Heavy Spar, Crystals of Copper Pyrites, Sulphide of Copper, Vanadinite, Calcite (peculiar form), Iron Pyrites on Heavy Spar, Litharge, Lenticular Calcite, Botryoidal Pyrites, Childrenite, Chrysocolla, Hemimorphite, Silicate of Zinc, Smithsonite, Calcite with Soapstone, Sulphate of Strontium with Sulphur, Zinc Blende, Carbonate of Iron, Sulphate of Lead, Copper Sulphate, Cupreous Sulphate with Carbonate of Lead,

Orange Phosphate of Lead, Carbonate of Lead and Pyromorphite.

Collection of Minerals collected by the late Fleet Surgeon, W. L. Powell, H. M. S. "Duke of Wellington," presented by Miss Powell: Native Sulphur Crystals, Black Oxide of Cobalt, Cavernous Selenite, Cinnabar, Quartz on Black Blende, Crystallized Quartz, Stibnite, and Gold Quartz.

BOTANICAL DEPARTMENT.

Fungus (*Cordiceps robertsii*) grown in the body of a caterpillar, and assuming its shape, from New Zealand; presented by Mr. F. F. Wilson.

Collection of Flowering Plants, Mosses, Ferns, Lichens, Hepaticas, etc. (about 500 specimens) British and North American; collected by the late Mr. T. Palgrave, and presented by Mr. F. P. Marrat.

Specimens of *Trigonocarpum olivæforme*, *Sigillaria*, the stem of a *Knorria*, and a Lepidodendroid; collected by the late Fleet Surgeon, W. L. Powell, H. M. S. "Duke of Wellington;" presented by Miss Powell.

THE AQUARIUM.

The Aquarium continues to be one of the chief attractions of the Museum; special interest being taken in the *Protopteri*, the Walking Fish, the Electrical Cat-fishes and the Sea Anemones. While the specimen of the Golden Eagle, presented by the Directors of the Cunard Company, remained in the Aquarium, it was constantly the centre of a large and interested crowd. The interest taken in these living exhibits indicates how greatly the establishment in Liverpool of a Zoological Garden would be appreciated; indeed, such an educational establishment has almost become a necessity.

Our efforts to keep in good health and condition the various tropical animals have proved very successful.

The following species have been exhibited alive during the year, those with an asterisk being alive at the date of this report:—

The Fresh-Water Sponge * (*Spongilla fluviatilis*); Fresh Water Hydra * (*Hydra viridis* and *fusca*). Sea Anemones: The Crass * (*Tealia crassicornis*); Plumose Anemone * (*Actinoloba dianthus*); Beadlet * (*Actinia mesembryanthemum*); Cave-dwelling Anemone *

(*Sagartia troglodytes*); Parasitic Anemone * (*Sagartia parsitica*); Opelet Anemone * (*Anthea cereus*). Young Sea-urchin (*E. sphaera*). Sea Mouse (*Aphrodite aculeata*); Fresh-water Polyzoa.* Common Lobster (*Homarus vulgaris*); Edible Crab * (*Cancer pagurus*); Common Shore Crab * (*Carcinus mœnas*); Hermit Crab (*Pagurus bernhardus*); Prawn * (*Palæmon serratus*). Fresh-water Mussel * (*Anodonta cygnea*); the Common Planorbis * (*P. Cornuus*); the Pond Snail (*Lymnæa stagnalis*). Loch Leven Trout * (*Salmo levenensis*); Rainbow Trout * (*Salmo irideus*); Gold Carp * (*Carassius auratus*); Tench * (*Tinca vulgaris*); Rudd * (*Leuciscus erythrophthalmus*); Minnow (*Leuciscus phoxinus*); Roach * (*Leuciscus rutilus*); Pike * (*Esox lucius*); Perch * (*Perca fluviatilis*); Bass (*Labrax lupus*); White Bream * (*Abramis blicca*); Stone-Loach * (*Nemacheilus barbatula*); North American Cat-fish * (*Amiurus* sp); River Lamprey (*Petromyzon fluviatilis*); Fresh-water or Rock Bass (*Centrarchus æneus*); Common Pond or American Sun-fish (*Pomotis vulgaris*); Electric Cat-fish (*Malapterurus electricus*); African Mud-fish * (*Protopterus annectens*); Calabar Polypterus (*Calamoichthys calabaricus*) Walking Fish * (*Periophthalmus koelreuteri*); Sea Lamprey (*Petromyzon marinus*); Conger Eel * (*Conger vulgaris*); Freckled Goby * (*Gobius minutus*); Spotted Gunnel or Butter-fish (*Centronotus gunellus*); Bullhead (*Cottus bubalis*); Sole (*Solca vulgaris*); Plaice * (*Hleuronectes platessa*); Lesser Weever * (*Trachinus vipera*); Pogge * (*Agonus cataphractus*). Common Frog * (*Rana temporaria*); Indian Bull-frog * (*Rana tigrina*); Green Tree Frog (*Hyla arborea*); Common Toad * (*Bufo vulgaris*); Italian Toad * (*Bufo vulgaris*); Natterjack Toad * (*Bufo calamita*); Crested or Great Water-Newt * (*Triton cristatus*); Common or Smooth Newt * (*Molge vulgaris*); Spotted Salamander * (*Salamandra maculosa*); American Salamander * (*Amblystoma carolina*); Mexican Axolotl * (*Axolotl tigrinum*); Menopoma * (*Cryptobranchus alleghaniensis*)—this specimen has now been alive in the Aquarium for fifteen years; West African Crocodile * (*Mecitops cataphractus*); West African Lizard * (*Agama colonorum*); Egyptian Skink * (*Scincus officinalis*); Green Lizard * (*Lacerta viridis*); English Ringed Snake * (*Tropidonotus natrix*); a Golden Eagle (*Aquila chrysaetus*), from Greece; British Black Rat (*Mus rattus*); West African Tree-Hyrax (*Dendrohyrax dorsalis*).

SUMMARY OF ACQUISITIONS.

Zoological.

Protozoa	...	...	9 Species	...	Numerous Specimens
Porifera	...	...	4	„	4
Cœlenterata	...	...	7	„	12
Echinoderma	...	...	3	„	4
Vermes	...	...	20	„	20
Arthropoda (Crustacea)	42	..	...	100	„
Arthropoda (Tracheata)	162	..	...	672	„
Mollusca	...	...	5	..	9
Hemichordata	...	...	1	„	1
Fishes	...	...	13	„	48
Amphibians	...	...	8	„	31
Reptiles	...	...	16	„	47
Birds	...	...	6,015	„	20,015
Mammals	...	...	21	„	34
			<u>6,326</u>		<u>20,997</u>

Geological and Mineralogical.

Minerals 50 Specimens.

Botanical.

Species (undetermined) 503 Specimens.

B.—MAYER MUSEUM.

(a) GENERAL.

During the year many Anthropologists have inspected the collection, among whom may be mentioned Professor Haddon, Principal Rendall, Arthur Evans (of the Ashmolean Museum, Oxford), Dr. Montelius, Sweden; Dr. J. G. Garson, H.M. Criminal Anthropometrical Department; C. H. Read, British Museum; Dr. H. Stolpe, Sweden; J. Edge-partington, Professor W. Ridgway, H. Ling Roth. There has been no event of striking importance to record in reference to the Mayer Museum during the year. The collections have been added to, so far as funds have permitted, whenever an opportunity occurred

for doing so. The Assistant Curator, Mr. P. Entwistle, has been constantly employed in labelling specimens and in adding explanatory drawings and photographs, which add greatly to the interest and value of the collection. The addition of these photographs and drawings is being continued as rapidly as they can be obtained or made. A set of photographs of Kru-boys from Liberia, West Africa, were taken from the life, and have been enlarged for exhibition in the Ethnographical Galleries, as well as a series from original negatives of the natives of Taupota, S.E. New Guinea.

(b) LOANS AND DEPOSITS.

The following objects were lent as below :—

Negatives of a Celtic Cup and Mirror to J. Romilly Allen, Esq., for reproduction in the “*Archæologia Cambrensis*,” illustrative of his paper on Late Celtic Art; also four Negatives of a Trepanned Skull from Eastry Churchyard, Kent, to Dr. R. Munro, for reproduction in his work on “*Trepanning*.” These were duly returned safely with the thanks of the respective borrowers.

The following manuscripts have been lent to the Palæographical Society, University College :—“*History of the World, Sacred and Profane*,” upon a roll of vellum 22 feet long, Italian? 13th century, M. 12017, and “*Selections from the Fathers*, SS. Augustine, Gregory, Anselm, &c.,” English, early 14th century, M. 12036.

The collection of Ethnographical Objects from New Guinea, deposited by Mr. W. H. Livesey in this Museum in May, 1893, having been purchased from him by Lady Meux (Theobald’s Park, Waltham Cross, Herts, *per* Upton & Britain, Solicitors. 51, Lincoln’s Inn Fields, London), was despatched to Lady Meux, October 12th, 1896.

The following photographs, taken by the Museum Staff, have been sent to the undermentioned investigators to assist in their studies, or to illustrate works on which they may be engaged :—

Anglo-Saxon Fibulæ and Pendants, Ornaments, and a late Celtic Cup and Mirror, to Dr. O. Montelius, Sweden, and Professor W. Ridgway, Cambridge; the Four Faces of the Ancient Egyptian Pyramidion and the Sarcophagus of Bakhenkhonsu, to Dr. Schmidt, Copenhagen; the Sarcophagus of Bakhenkhonsu, to M. P. Hippolite Boussac, Paris;

the Leaf of an Ivory Diptych and Bronze Figure of Apollo, from Arles, France, to Professor Venturi, Rome.

(c) ACQUISITIONS.

(1.)—GENERAL.

“Monumentos del Arte Mexicana Antiguo,” por el Dr. Antonio Penafiel; presented by the Mexican Government, per Senor Francisco del Paso y Troncoso, Director of the National Museum, Mexico, (deposited in the Free Library).

Regalia, Minute Books, &c., of the Mock Corporation at Sephton (Sefton), near Liverpool; presented by Mrs. Cobham.

Mock Corporations in the history of this country are by no means uncommon. That at Newcastle-under-Lyne originated in the determination of the people not to be defrauded by the Corporate body of an ancient right to annually elect a Mayor in accordance with a charter granted by Henry II. The election of Mock Mayors at Newcastle-under-Lyne was continued as late as 1833.

The Mock Corporation at Walton-le-Dale, near Preston, was established in 1701. This was, however, at first a Jacobite Club, afterwards used for political purposes under the designation of “The Mayor and Corporation of the Ancient Borough of Walton,” and continued to exist as a Mock Corporation until 1800.

The Mock Corporation of Sephton, near Liverpool, differed from the last named in its constitution, which was of a purely social character. It appears to have been established by Liverpool gentlemen, merchants, and others, for the purpose of social intercourse with one another on the Sabbath Day. As its records shew, it was the custom of the members to attend church twice a day; but why they selected Sephton does not appear from the records. That the pleasures of the table formed no slight attraction, is evidenced from the repeated adjournments that took place to “Nelly Barker’s” at the “Punch Bowl Inn,” adjoining the Church.

The earliest date in connection with the origin of this Mock Corporation is upon the Mace, “The gift of E. Cust, Esq., A. DOM. 1764.” After this date there is no account of the Corporation till 1771, when the existing records begin. These are contained in two volumes of unequal size, the first of which commences with the year 1771, and extends to the year 1786. It appears that from 1771 to 1783 the meetings of the Corporation were

held exclusively at Sephton, in a room called the "Mansion House." After 1783 chiefly on account of the inclemency of the weather during the winter, the meetings were held partly at Sephton and partly at Bootle; at Sephton during summer, and at Bootle in the winter months, from the first Sunday after the 18th of October to the middle of May. The place of meeting at Bootle was the "Bootle Coffee House."

"The constitution of this Corporation was very similar to that of all Corporations, mock or otherwise. It was composed of a Mayor, two Bailiffs, a Recorder, a Town Clerk, a certain number of Aldermen and Common Council Men, a Sword and Mace Bearer, a Bellman, together with a number of Free Burgesses. The Mayor and Bailiffs (the Mayor's Bailiff and the Town Bailiff) were elected annually on St. Luke's Day, the 18th of October—the ancient day of electing the Mayor of Liverpool until 1836, and probably in imitation of it," and on the same day, or the Sunday following, the other members, with few exceptions, had in addition to the sober titles by which they were known, some mock office or other conferred on them, as follows:—

" Alderman Whalley,	Master of Harriers.
Mr. Alex. Wotherspoon,	An African Committee Man.
„ Thos. Newsham,	Punch Maker.
„ E. Newsham,	Attorney General.
„ Willames,	Master of the Dramatis Personæ.
„ Gaskell,	Commissioner to the Hackney Coaches.
„ Wm. Doughty,	Pedestrian Ambassador to the Court of Russia.
„ Hans Dumpe,	Translator of Oriental Languages.
„ Chas. Wilson,	Governor of Tantum Quarry on the Gold Coast.
„ J. C. H. Garbers,	Imperial German Ambassador.
„ Edw. Banner,	Ranger of the Forests.
„ Astley,	Master of Fox Hounds.
„ John Stanton,	Contractor for Gunpowder.
„ R. Molineux,	Brazier and Tinker General.
„ Ogden,	Poet Laureate.
„ McLean,	Butter Weigher,
„ Richardson,	Window Peeper.
„ Westmacott,	Statuary.

Mr. Chas. Eyes,	Architect.
„ Cobham Richardson,	Inspector of the Coney Warren.
„ Sam. Patten,	One of the Clerks of the Court of Conscience.
„ Thompson, .	Chafe-wax.
„ Alex. Pigott,	Admiral of the North Seas.
„ George Beavan,	Chief Justice in Eyre.
„ W. T. Christian,	Master of the Revels.
„ Lodge,	American Consul.
„ Heblethwaite,	Prince of Anamaboe, or Palaver Settler.
„ Mathews,	Hooper, Cooper, and Powder Keg Maker."

Candidates for membership had to take "the oath" and drain the mace if possible at a draught. For some years a Lady Patroness was elected, by competition, the members bidding so much wine for the privilege of nominating her. Towards the close of these records the nomination was left to the Mayor, as it was deemed rather below the dignity of the Corporation to have their Lady Patroness knocked down to the highest bidder.

The membership of this Mock Corporation appears to have numbered about 300. It seems that in the year 1784 its Regalia was stolen, and a reward of 100 guineas was offered for its recovery.

List of Regalia, &c.—

Large Mace of tin, silvered and gilt; round the body are four panels and rosettes alternately, on the first is painted the inscription, "The Gift of F. Cust, Esq., A. DOM. 1764"; on the second, a turtle; on the third, below an obliterated picture is VIVI MUS, and on the fourth a rat or pig running.

Two small Maces of tin, gilt and painted, on one of them the top piece (consisting of crown, fleur de lis, &c.) is removable, revealing a cup-shaped cavity for drinking purposes. It was from this Mace that all new members drank when taking the oath of membership.

Large wooden Mace, gilt; surmounted with a brass cross.

Iron Sword, in a wooden case, the handle is of brass, studded with white pastes; one arm wanting.

Iron Sword, the pommel and guard gilt; handle and sheath covered with red plush with gilt bands.

Oar of tin, gilt and painted with a turtle on one side, and a fish on the other.

Two black gowns and a felt hat, very much moth eaten.

Two Minute Books of the "Corporation of Sephton for the years 1771 to 1786 and 1786 to 1797."

Book containing the forms of "Oath on taking Office," "Freeman's Oath," &c., as well as a list of the Members of the Mock Corporation.

"Cash Account" Book of the Mock Corporation from the years 1754 to 1829.

A copy of the "Proceedings of the General United Society for Supplying the British Troops upon the Continent* with extra clothing," &c., London, 1798; presented to the "Sephton Society at Liverpool." The Sephton Society contributed £105, in addition to 500 shirts.

Along with above objects, though probably not part of the Regalia, is a Scotch Claymore, a Metal Stand, and an Estate Account Book.

Medals:—

Three frames of Electrotypes of British Historical Medals; presented by the Trustees of the British Museum.

(2) CERAMICS.

Cream-coloured Jug, with black printed illustrations of "Jemmy's Farewell," and "Jemmy's Return," Liverpool manufacture; purchased.

Cream-coloured Jug, with black printed illustration, "Lottery Insurance Office," Liverpool manufacture; purchased.

(3) ETHNOGRAPHY.

Pre-historic:—

Seventy-six permanent photographs of Irish Antiquities:—Cromlechs, Hole Stones, Stone Circles, &c., &c., purchased.

Autotype Enlargements of 'Devenish Abbey, Lough Erne,' 'Kells Round Tower,' Co. Meath, 'The Great Cromleach' at Ballymasculan, Dundalk; and 'Dunluce Castle'; presented by the Belfast and Northern Counties Railway, Ireland, *per* C. J. Cotton, Esq., Manager, and the Great Northern Railway Co., Dublin.

* The Army under the Duke of York.

Flint Arrow-head, with tanged stem, finely worked; and Flint Scraper; found in an urn in a mound at Dunragil, Wigtownshire.

Piece of Breccia, containing numerous flint flakes and bones, from Palestine; presented by the Rev. Canon H. B. Tristram, D.D., F.R.S.

Part of a Terra-cotta Water Vessel, in the form of a human head; and nine glass beads, from graves at Chimbote, Peru; collected and presented by Mr. Martarell.

Fac-simile of the "Codice Messicana Vaticano," No. 3773; presented by the Duc de Loubat.

For this, one of the most valuable of the gifts made to the Mayer Museum during this year, we are indebted to the generous liberality of the Duke of Lubat. This *fac-simile* is one of a number of the ancient Mexican Codices, executed at the expense of the Duke, who has for many years taken the deepest interest in these Mexican Antiquities, of which only a very few specimens have been preserved in some of the richer libraries. The Mayer Museum is fortunate in possessing an example of one of the finest originals of these books, which consist of Ritual Calendars, Histories, and Tribute Rolls of the Ancient Mexicans, written before the date of the discovery of America. The British Museum and the Bodleian Library are, it is believed, the only Repositories in England, besides the Mayer Museum, of examples of these treasures, and on the Continent the chief are Paris, Rome, Dresden and Vienna.

These codices are inscribed in hieroglyphics on pages made of pieces of deer skin of different sizes gummed together, having a white chalky composition spread over them, on which the curious pictures are drawn and painted in colours. To their interpretation we had, until recently, almost no clue. In 1895 Senor Francisco del Paso y Troncoso, the Director of the National Museum of Mexico—a well-known scholar and authority on these documents—spent several weeks in studying and elucidating the Mayer Codex, both in the Museum and at Oxford University, where the Codex was, with the permission of the Committee, lent to Senor Troncoso for several months for the purpose of enabling him to compare it with the Codices in the Bodleian Library. In recognition of the Committee's kindness Senor Troncoso gratuitously used his influence with his friend, the Duke of Lubat, and induced him to present a copy of the Vatican Codex 3773 to the Mayer Museum.

The reproduction of this Codex is in absolute *fac-simile* to the

smallest minutiae of size, binding and coloration. Accompanying the Codex is a small pamphlet (in Spanish and English) on "The Manuscripts of Anahuac," by Senor Paso y Troncoso, giving an account of the "Nahua Book" (as the Vatican Codex is called) and how it is to be read.

The Duke of Lubat, in presenting the *fac-simile*, expresses, in a note addressed to the Director, the hope that some of the rich merchants of Liverpool may be induced to provide the cost of producing a *fac-simile* of the precious Mayer Codex after the manner of the Vatican "Nahua Book."

Melanesian Race.

Africa.—West and South West Africa:—

List of specimens collected and presented by Mr. A. Ridyard, Chief Engineer, s.s. "Niger" (Elder, Dempster & Co.):—

Musical Instrument, from Sierra Leone.

"Telegraph" Drum, from the Cameroons.

Wooden Walking Stick, from the Cameroons.

Carved Wooden Stool, from the Cameroons.

Fetish Cap, from Bona Preso, Joss Town, Cameroons.

Two Painted Wooden Masks, from Balune, base of the Cameroon Mountains.

Pipe, with red clay head, from Burre, Cameroons.

Musical Instrument, from Mayumba.

Wooden Fetish Figure, "*Coangi*," studded with nails, from the Landana Country, Portuguese Congo.

Wooden Fetish Figure, "*Cawso*," studded with nails, from the Landana Country, Portuguese Congo.

Hatchet, with copper celt-shaped head, from Bosoko, Upper Congo.

Spear, from the Lomani River, Upper Congo.

War Knife, from Bobangi, Upper Congo.

Wooden Fetish Figure, 'The Great God of Boomudi,' Bata Country.

Fetish, from Bakunje, Mayumba Country, on the route to Stanley Pool.

Wooden Female Figure, nursing a child, from Pueche, a village in the Mayumba Country.

Five Wooden Spoons, from Batanga.

Wooden Figure, from the Gaboon.

Sword, in a leather sheath, Mandingo; presented by Mr. R. Wade.

Bag, used for carrying fish, from Grand Bassam; presented by Mr. R. Wade.

Wooden Mask, painted, from the Mamby District, Congo Français ;
presented by Mr. S. J. Toby.

Ivory Horn ; presented by Dr. C. Ricketts.

East Africa :—

The following specimens from British East Africa were collected and
presented by Dr. Percy Rendall :—

Axe, with long narrow iron head and wooden handle.

Axe, with iron head and wooden handle.

Ivory-handled Knife in carved wooden sheath.

Horn, used as a flask.

Four Large Wooden Spoons.

Hide Walking Stick.

Necklace of Cut Shells.

Two Bows.

South Africa :—

Snuff-bottle in form of a Goat, Kaffir ; purchased.

Skin Bag, decorated with blue, black and white beads, Kaffir ;
purchased.

Three Water-colour Sketches, copies of supposed Kaffir drawings on
the walls of caves, at Frankfort, Orange Free State ; presented
by Mr. M. Jarvis.

New Guinea :—

The following specimens from Taupota, S.E. New Guinea, have been
acquired by purchase :—

Wooden Drum, the end covered with lizard skin.

Shell Ornament, worn on the forehead.

Shell Trumpet.

Cane Armlet.

Three Stone Axe Heads.

Necklace of discs of shell and cassowary quills.

Necklace ; (material of beads undetermined).

Necklace of plaited grass.

Lime Gourd.

The following specimens have also been purchased :—

Wooden Drum, with animal-shaped mouth, from the Fly River
District.

Head-dress worn in the Koppa Koppa Dance, Tud, Torres Straits.
Girdle Dress, Trobriand Islands.

The localities of the following are doubtful :—

Three Breast Ornaments of varying forms.

Two Cane Armlets.

Girdle-dress of plaited grass.

Cocoa-nut Armlet.

Small Pestle and two Mortars, for pounding betel-nut.

Wooden House Support, in form of two reptiles.

Head Ornament of plaited rattan, with shell fringe.

Wooden Shuttle.

Shell Mesh Gauge.

Lime Spoon.

Wooden Food Stirrer.

Breast Ornament, a frame of split rattan, ornamented with Boar's Tusks, &c.

Solomon Islands :—

Four-pronged Fishing Arrow, Fish Killer ; purchased.

New Hebrides :—

Two Wooden Clubs with star-shaped ends ; purchased.

False Beard ; purchased.

Dance Mask, in form of a fish, made up of split rattan covered with tappa cloth, painted white, and covered with projecting wooden pegs ; purchased.

Dance Mask, made up of wood, split rattan, and vegetable fibre, dyed and painted ; purchased.

Polynesia.—New Zealand :—

Jade, 'Tiki ;' Wooden Club, 'Patu ;' purchased.

Hervey Islands :—

Elaborately-carved Paddle ; purchased.

Mikronesia:—Matty Island :—

Breast Ornament, an *ovulum*, strung on to a piece of pandanus leaf ; Two Netted Bags, decorated with shells ; Four Shell Fish-hooks ; purchased.

Mongolian Race.

America.—South :—

A collection of Ethnographical Objects, from the Carajá Indians, River Araguaya, a tributary of the River Amazon, State of Goyaz, United States of Brazil ; purchased, as follows :—

Six Spears of palm wood, with bone heads ; Four Paddles, two with painted designs ; Six Bows ; Twelve Clubs, various sizes, grooved and bound with rattan ; One War Trumpet ; One Pair of Virginité Armlets ; Eight Cane Head-dresses of two forms, variously ornamented with bright-coloured feathers ; Two Girdle Belts ; Five Pairs of Feather Armlets ; One Pair of Feather Bracelets ; One Necklet of Dyed Cotton ; Two Feather Plumes for the head ; One "Tucum" Cap of plaited grass, coated with down ; Four Cane Ear Ornaments ; Two Leaf Baskets ; Two Wooden Plugs worn in the lobes of the ear ; One Pipe Head ; Two Wooden Lip Ornaments ; One Hunter's Wallet ; One Hundred Arrows of various forms.

Wooden Blow-pipe, covered with a resinous composition, with an inner tube of cane ; Quiver, containing poisoned arrows ; the quiver has attached to it a human jaw bone, part of the jaw of the "pirari" fish, and a netted bag containing cotton ; Three Arrow-head Cane Tubes ; Drum ; Woven Garment, and copy of a European Guitar, from Iquitos, Peru, 2,500 miles up the Amazon River ; collected and presented by Captain J. H. Good, s.s. "Huasacar."

Spear of red wood, the shaft ornamented with feathers, in a hollow at the end of the handle is a rattle formed of dried nuts, from the Rio Branco ; purchased.

Two Head-dresses of Cane covered with brightly-coloured feathers ; Feather Head Ornament ; from the Brazils ; purchased.

Sword, the blade inscribed "No. me. saques. sin. rason," and on the reverse "No. me. enbaines. sin. honor.," found in Lake Merim, on the frontier of Monte Video and Brazil ; presented by Mr. Thomas Whitney.

Three Black and White Drawings of Natives of South America ; purchased.

Wooden Bow and Five Arrows with glass heads ; from Terra del Fuego ; presented by Mr. H. C. Beasley.

China :—

Brass Arch-shaped Plaque with figure upon it, obtained at the looting of Pekin ; presented by Dr. C. Ricketts.

Japan :—

The following 24 Tsubas or Sword Guards were presented by E. Gilbertson, Esq., of Ilfracombe, *per* J. L. Bowes, Esq., Japanese Consul in Liverpool, who has most kindly furnished the descriptions :—

- 1.—Tsuba, iron, pierced, Two Dragons, XVI. Century.
- 2.—Tsuba, iron, pierced, Two Sea Dragons, one holding a gilt tama ; the claws, &c., in silver and gold.
- 3.—Tsuba, iron, imitating weather-worn wood, Wasp and Plant in gold.
- 4.—Tsuba, iron, pierced ; hammer-marked surface. A Rishi attended by a demon with a head of red bronze. The head of the Rishi in silver, his dress damascened.
- 5.—Tsuba, iron. Dragon in gold, passing through the guard.
- 6.—Tsuba, iron. Horses in a meadow. Signed, Kawaji Tomomichi of Nagato.
- 7.—Tsuba, iron. Chrysanthemums, in low relief, and damascened.
- 8.—Tsuba, iron. Gentoku coming to the peach garden, Komei seated in a pavilion Damascened. Signed, Soheishi Niudo Soten.
- 9.—Tsuba, iron, pierced. The Battle of Ishibashiyama, 1181 A.D.; the figures damascened in gold and silver. Signed, Soheishi Soten.
- 10.—Tsuba, iron. Jurojin, god of longevity, with a crane, plum tree, and flower, in gold, silver and shakudo. *
- 11.—Tsuba, iron, pierced. Bean pod and leaves. Signed, Tsunemasa.
- 12.—Tsuba, shakudo, with manako ground. Chrysanthemums in gold and silver.
- 13.—Tsuba, shakudo, with manako ground. Chinese subject, a horseman crossing a bridge, with other figures in various metals.
- 14.—Tsuba, shakudo, with manako ground. Yoshiie causing water to flow from a rock by striking it with his bow.

* Shakudo :—An alloy with 2 to 5 per cent. of gold and silver.

- 15.—Tsuba, shibuichi †. Three lions, in shakudo and red bronze, with gold spots, peony and butterfly in silver, &c. Signed, Yanagawa Naomasa.
- 16.—Tsuba, shibuichi. Hotei, god of contentment, in gold, silver and shakudo. Signed, Seishinken Mototomo.
- 17.—Tsuba, shibuichi. Dragon in clouds, in low relief. Signed, Yasuchika.
- 18.—Tsuba, shibuichi. The poet Rihaku contemplating the moon. Gold and silver inlaying.
- 19.—Tsuba, shibuichi. A crane flying, in gold, tortoise and dwarf bamboo.
- 20.—Tsuba, shibuichi. Two cranes and weeds, in gold, silver and shakudo.
- 21.—Tsuba, shibuichi. Tiger and waterfall.
- 22.—Tsuba, sentoku ††. The apparatus for the Cha-no-yu or Tea ceremony, in various metals.
- 23.—Tsuba, sentoku, pierced. Trellis with convolvulus. Signed, Saisanjin.
24. Tsuba, sentoku. Two priests by a cascade, one exhaling a cloud from his mouth.

Malay Archipelago.—Borneo :—

Model of a Piratical War Canoe ; presented by A. Earle, Esq., J.P.

Burmah :—

Cone-shaped Stone Pyramidion, having a series of steps running round it, on which are distributed small figures of Bhudda seated, carved out of stone, from the Irrawaddy River ; presented by Dr. C. Ricketts.

Large Mat of appliqué work ; presented by A. Earle, Esq., J.P.

Caucasian Race.

India :—

Four Coloured Drawings ; presented by Mr. J. Hughes.

† Shibuichi :—An alloy of copper and silver in variable proportions.
 †† Sentoku :—A yellow bronze composed of copper, zinc and tin.

Egypt :—

Two Strings of Ancient Egyptian Glass Beads ; presented by
Miss Holt, 54, Ullet Road.

SUMMARY OF ACQUISITIONS.

General	...	...	...	...	...	...	19
Ceramics	...	...	...	...	...	...	2
Ethnography	...	...	...	...	...	...	392
							<hr/> 413

SCIENCE CABINETS FOR SCHOOLS.

These Cabinets, as in previous years, have been distributed in rotation to different Elementary Schools in the City, and also to the Training Colleges for Teachers at Edge Hill and the College of the Notre Dame, Mount Pleasant. They have been carefully examined every month, and, when necessary, replenished.

As remarked in the last Annual Report, there has arisen with the extension of the City boundaries, and the consequent inclusion of a large number of additional schools, the necessity for an increased number of Cabinets, in order to provide for all the schools desiring to have them. It was found, however, impossible, owing to the many calls upon the time of the staff during the past year, to increase their number. It is hoped that they will be considerably increased during the coming year.

HENRY O. FORBES,

DIRECTOR OF MUSEUMS.

Recd
21 APR. 97



